Technical Manual.
WC and urinal flush systems. By SCHELL.

SCHELL

Everything according to plan. With SCHELL.

Are you planning a public, semi-public or commercial sanitary room? And would like to have specific information about the appropriate fittings? Then you are at the right place with SCHELL. As a leading specialist for non-privately used sanitary rooms, we offer not just top-quality and multi-award-winning fitting technology »Made in Germany«. With this technical brochure, you also receive all necessary information that makes it easier to plan with SCHELL urinal and WC flush systems. Starting with important information about standards and directives to adhere to, up to extensive details about products. Also use our specification documents, under www.ausschreiben.de.

And if you have any queries about our products, don't hesitate to call us. We are more than happy to help.

Telephone +49 2761 892-0
www.schell.eu

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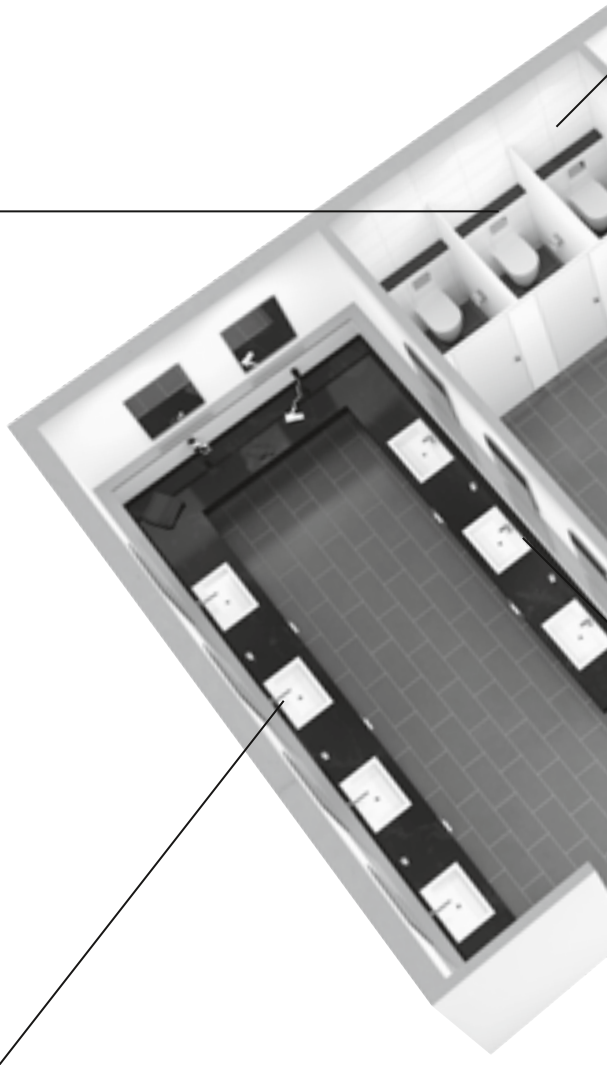
Table of contents **Page**

SCHELL *inside.*	4
Planning tips	8
WC flush systems	18
WC concealed installation solutions, overview	**20**
Flush fitting systems	
Roughing-in set COMPACT II	22
Manual control and infrared control	24
Accessories	38
Cistern systems	
Manual control	40
Infrared control with contact-free actuation	43
WC wall-mounted solutions, overview	**50**
Manual control	52
flush valves and accessories	58
Urinal flush systems	**60**
Urinal concealed installation, overview	**62**
Roughing-in set COMPACT II	64
Manual control	68
LC siphon-sensor control with contact-free actuation	70
Accessories	80
Urinal wall-mounted solutions, overview	**82**
Manual control	84
Infrared control with contact-free actuation	90
Accessories	95
Complimentary components	**96**
Further information	**102**
Maintenance instructions/Legend	**104**

SCHELL *inside.*

SCHELL fittings belong in all places where robust, hygienic and resource-efficient solutions are needed, such as in public, semi-public and commercial sanitary rooms. Among others, our solutions can be found in the following locations all over the world:

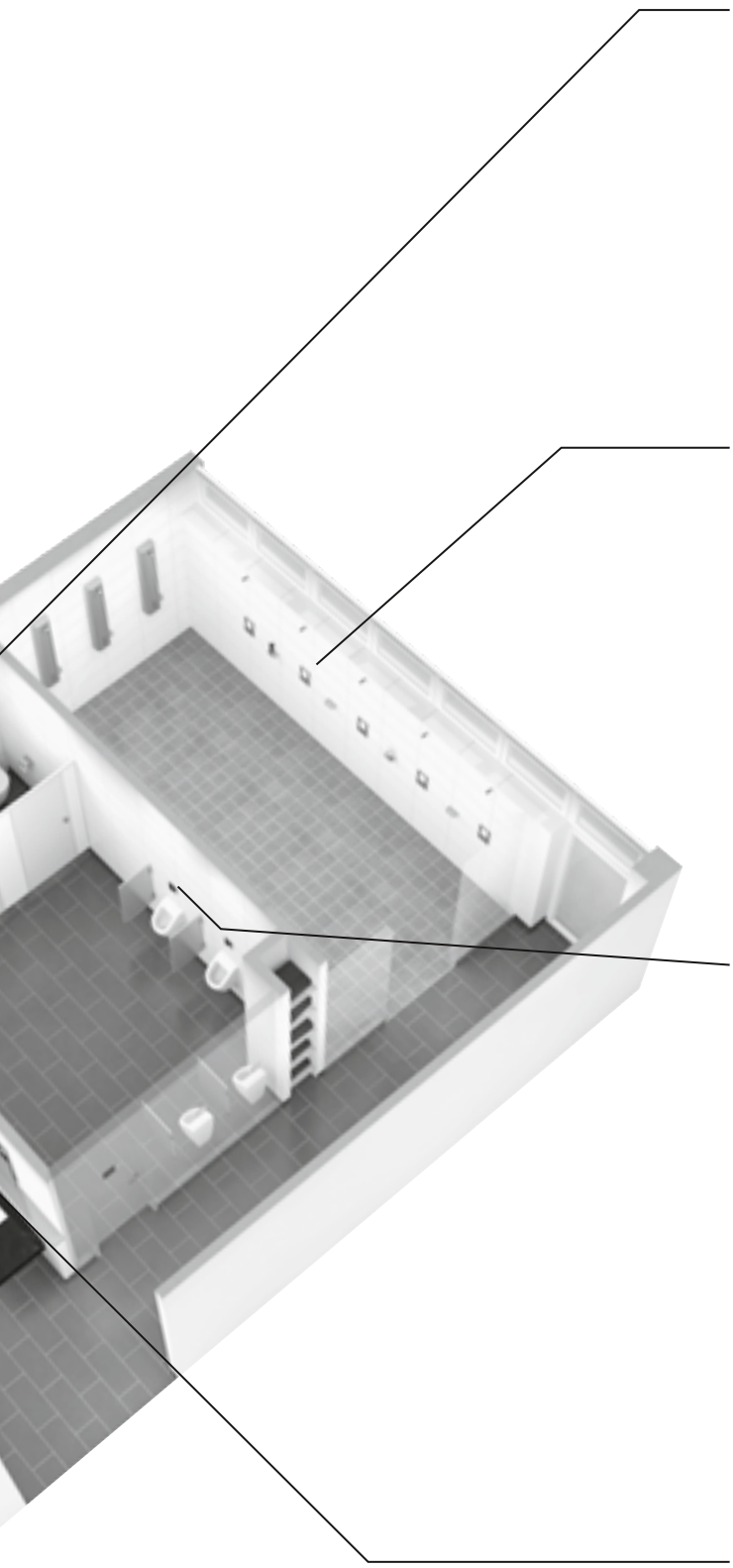
- Schools
- Nurseries
- Hotels
- Gastronomy
- Hospitals
- Residential nursing homes
- Industry
- Administrative buildings
- Airports
- Railway stations
- Motorway service stations
- Leisure facilities
- Sports facilities
- Swimming pools



WC flush systems
SCHELL satisfies even the highest of demands with their comprehensive range of water-saving and hygienic WC flush systems. These include flush valves for wall-mounted installation, concealed installation solutions and concealed cisterns. These can be controlled mechanically or electronically as you choose. All in all, ideal prerequisites for both simple and speedy retrofitting in renovation projects and for new-build installations. A perfect match – our mounting modules.

Washbasin fittings and wall-mounted draw-off fittings
Water-saving, hygienic, robust, durable and also good to look at – this is what makes washbasin draw-off taps by SCHELL a cut above the rest. Available in a wide range of different technical designs.

We will gladly send you more information about all the product groups listed here.



Mounting modules
SCHELL offers a complete range of mounting modules. What characterizes these: Models for dry and wet construction, compliance with DIN 4109 (noise protection in building construction) and a considerable number of innovative detailed solutions.

Shower fittings/shower panels
Showers in public, semi-public and commercial sanitary rooms are in constant use. Irrespective of being in a new or renovated building: The high-quality materials and the well thought-out design of our shower fittings and shower panels also contribute to permanent, water-saving and trouble-free operation under these conditions.

Urinal flush systems
In much demand as concealed or wall-mounted installations – water-saving and hygienic urinal flush systems by SCHELL. Available as mechanical or electronic versions, whereby they are suitable for new buildings, or particularly for retrofitting easily and quickly into refurbishment projects. Urinal flush systems by SCHELL – the perfect all-round solution in combination with our mounting modules.

Angle valves
You can place high expectations on Europe's market leader for angle valves, including water-saving functions, exceptional quality, attractive design and an extensive range for all applications. These are available with an integrated backflow preventer or filter depending on requirements, and almost every model is classified in noise class I.

WELL brochure

SCHELL is synonymous with sustainable solutions.
And it is signed and sealed.

Independent investigations have discovered that approx. 80 % of the total life-cycle costs for a building are spent on operation and maintenance. This is where investments in water and energy-efficient fittings quickly pay off. Ultimately, in addition to the maintenance and servicing costs, in particular, the water consumption and energy costs play a significant role. Therefore, today, buildings are classified in accordance with »Green Building Standards« such as LEED (Leadership in Environmental and Economic Design) and DGNB (German Sustainable Building Council).

With its intelligent valve technologies, SCHELL has proved for many years how to achieve sustainable solutions with regard to water consumption, hygiene and product quality. And that is now official with WELL, the new efficiency label of the European Fittings Industry. Under the umbrella of EUnited, the European Association of Fitting Manufacturers, a new classification system has been developed that provides planners, architects, plumbers and consumers with an evaluation system to refer to when assessing the water and energy consumption of sanitary fittings.

No compromises in quality.
The basis of classification of each fitting is adherence to the applicable European standards. This is tested and certified by an independent accredited testing institute (EN ISO /ICE 17025) in the course of type testing. This ensures that only totally hygienic materials are used and whose functional reliability has been verified by endurance testing.

Drinking water hygiene and saving water are not a contradiction in terms.
The top priority is maintaining drinking water hygiene. Lower water consumption in single fittings does not contradict this. Indeed, it is more to do with preventing stagnant water collecting in a pipe system by using suitable pipe work and specifically arranging the fittings in accordance with frequency of use.

Adhering to the flow rates must be planned by dimensioning the pipe in accordance with DIN EN 806-3 and the complimentary national standard DIN 1988-30. In this context, reference is also made to sufficient insulation of the piping, in order to adhere to the

Label »Home«

Label »Public«

Label »Upgrade Volume"

WELL, the new efficiency label of the European valve industry.

temperatures required, as given in DIN EN 806-2 and the complimentary national standard DIN 1988-200, as well as in the DVGW (German Association for Gas and Water) Worksheet W 551. Fittings with high flow rates do not provide any advantages if there are long periods of non-use. If the building used has longer periods of non-use, as necessary, the fittings must be provided with automatic anti-stagnation flush.

There are three different labels: »Home«, »Public« and »Upgrade«.
The requirements on sanitary fitting for the home are different to those for public and commercial areas. Whilst comfort and the individual wellness experience are at the forefront in the bathroom at home, in public sanitary rooms, the emphasis is on efficient use of water and, above all, hygiene. To do justice to these differences within WELL, classification has been split into three labels:

- **»Home«**
  for the private sector
- **»Public«**
  for the public sector
- **»Upgrade«**
  for accessories for universal use

Increase the efficiency with »Upgrades«.
Accessories for draw-off and shower fittings are also classified at WELL, provided that they help to increase water and energy efficiency when combined with other components. Depending on the field of application, such components are identified as **»Upgrade Volume«** (water volume) or **»Upgrade Therm«** (energy) and are of particular interest for retrofitting and modernisation. Of course, it is user habits that ultimately affect actual water and energy consumption. However, the WELL label demonstrates which reductions can be made.

SCHELL already have numerous classified fittings.
With the first WELL classified fittings, SCHELL documented their high demand on quality – and substantiates that sustainability and low water consumption of fittings is not a contradiction in adhering to the hygiene of drinking water.

For more information, refer to:
EUnited Valve online
www.well-online
Brochures for download
www.schell.eu

Hygiene and Quality. What you can expect from urinal and WC flush systems in general and, in particular, by SCHELL.

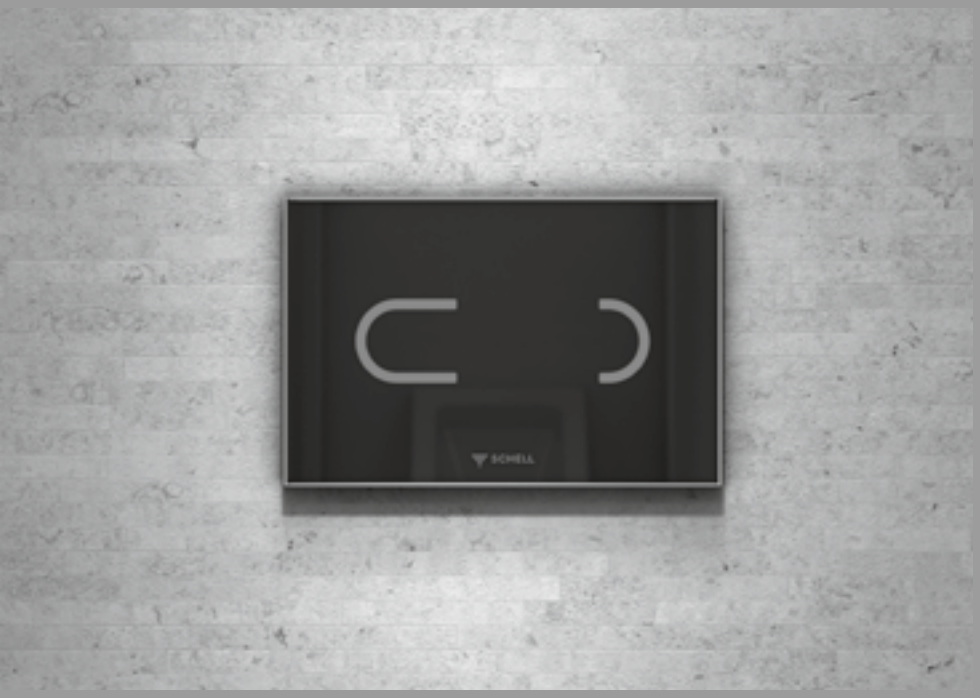
Urinal and WC flush systems in public, semi-public and commercial sanitary rooms must conform to high requirements on hygiene, quality and reliability. As the designer, here it is your responsibility to make the right selection. Here, the new efficiency label WELL provides good initial orientation. Furthermore, you will learn here what SCHELL values

Water-saving technologies

Also the water used to flush urinals and WC's is primarily drinking water. And that is valuable. SCHELL has been aware of their responsibility for a long time and, therefore, applies technologies that enable everybody to efficiently save water. For example, the exemplary manner SCHELL adopted self-closing taps. Two examples here are the economy buttons for WC's or the stadium range for urinals with electronics that automatically reduce water consumption when used more frequently.

Meeting stringent hygiene standards

Maximum hygiene for the user and the drinking water have top priority in sanitary rooms. Especially in hospitals, schools or nurseries. In order to conform to all requirements, SCHELL provide numerous technical solutions for urinal and WC flush systems, e.g. contact-free actuation or stagnation flush. Whether national or international – our fittings always conform to the highest requirements. Whether it is technical specification, current standards, directives or ordinances.



Robust design and materials

Whether because of high frequency of use, inattentiveness of the user or regular cleaning of the fittings – urinal and WC flush systems in public, semi-public and commercial sanitary rooms are severely tested on a daily basis. SCHELL products are best equipped for this, with all-metal casings, smooth, easy-to-clean surfaces and durable components. Our products and processes are distinguished by the relevant quality and safety features: Product conformity has been confirmed by independent testing institutes.

Sophisticated and timeless design

Elegant and functional design are typical features of the products by SCHELL. Their purist forms enable them to be harmoniously integrated in sanitary rooms. An additional advantage: The more high-quality the object and attractive the design of the fitting – the higher the threshold for vandalism. Another reason to select the multi-award winning products by SCHELL.

Easy to service and install

Urinal- and WC flush systems by SCHELL are specifically designed for ease of installation and servicing. They comprise of few components, are modular in design and are supplied preassembled with the necessary accessories. Best prerequisites for quick installation, simple care and easy maintenance.

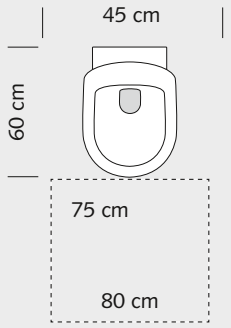
DIN 18022 »Kitchens, bathrooms and WC's in residential building«

Everything you need to know, particularly for planning…

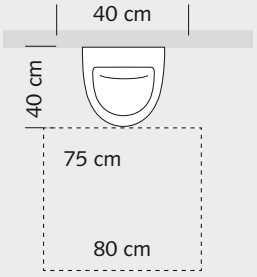
Areas of movement, in accordance with DIN 18022

Even although DIN 18022 »Kitchens, bathrooms and WC's in residential building« 2007 was deleted without substitution, up to the present it did define general guidelines applicable for planning, e.g. facilities, floor space, distances or areas of movement. Thus, practically, this standard is still used for planning.

WC



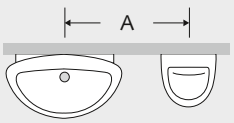
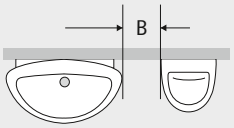
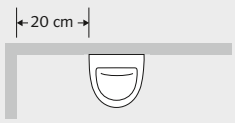
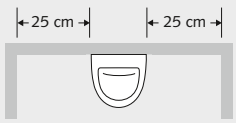
Urinal



Minimum distances

The movement areas for public sanitary rooms should be generous. If the sanitary room is to be subjected to a high usage frequency, sufficient throughputs must be guaranteed. Furthermore, for infrared and radar control, also take into consideration the minimum distances.

Different installation situations

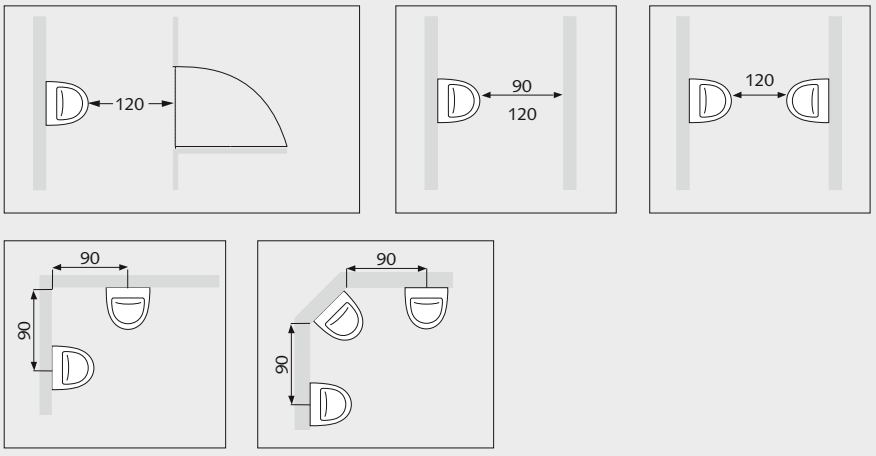
Centre-to-centre distance	Gap	Distance to the wall	Distance with 2 walls
			

Minimum distances (A+B)

WC	Washbasin	Cloakroom basin	Bidet	Urinal
	A = 70 cm	A = 65 cm	A = 70 cm	A = 60 cm
	B = 20 cm	B = 20 cm	B = 25 cm	B = 20 cm

Urinal	Washbasin	Cloakroom basin	WC	Urinal
	A = 70 cm	A = 65 cm	A = 60 cm	A = 60 cm
	B = 20 cm	B = 20 cm	B = 20 cm	B = 20 cm

Reference values for the installation of urinals (minimum dimensions cm)



Reference values for the installation of urinals in the public area.

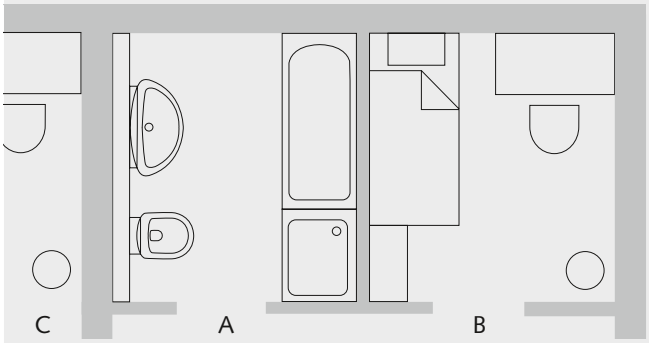
DIN 4109
»Noise protection in building construction«

Noise protection, in accordance with DIN 4109

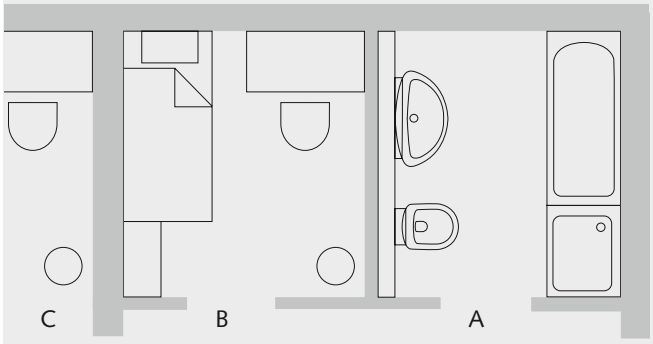
Buildings must have noise insulation appropriate to their use. In addition to **DIN EN 12354** (calculation of the acoustic properties of buildings based on the building element properties), the standard **DIN 4109** (noise protection in building construction), introduced as technical construction specifications, contains concrete specifications in accordance with state building regulations. The standard represents building regulations' requirement and assessment basis for all persons involved in the construction planning and build. By observing the principles and implementation instructions given in **DIN 4109**, it is assumed that the minimum sound protection specified in building legislation are adhered to.

The requirements in **DIN 4109** should ensure the people who frequent the living and working areas in buildings are protected from »unacceptable disturbances« caused by sound propagation. However, compliance with these requirements does not exclude disturbances from neighbouring dwellings or building facilities and installations. Effective noise protection can be achieved with the aid of **VDI 4100** (Noise control in dwellings).

Unfavourable floor plan in terms of noise control
If the bathroom should border living space of a neighbouring dwelling, only fittings of noise class I must be installed. This also applies to rooms permanently frequented located above or below these rooms. In particular, noise control has top priority in hotel bathrooms. Therefore, a floor plan favourable in terms of noise control should be drawn up.



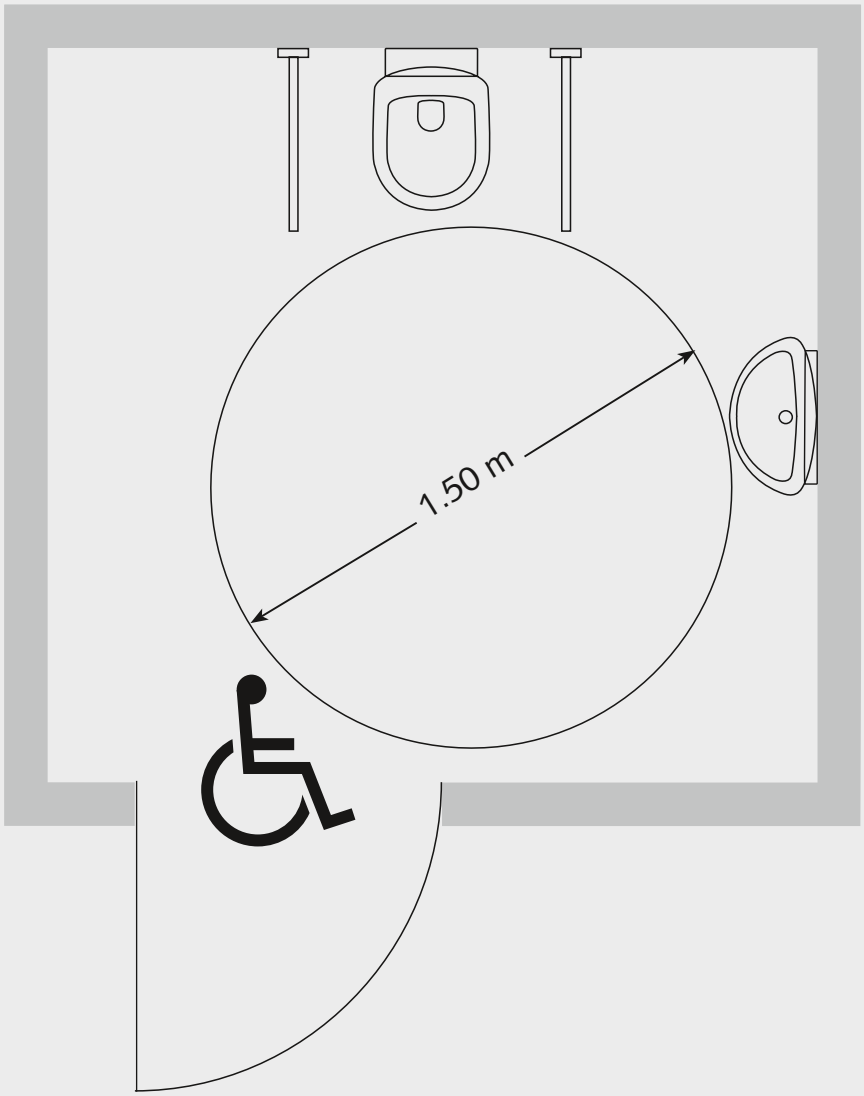
Favourable floor plan in terms of noise control
The bathroom (A/loud room) is separated from the bordering from (C) through an additional room of the user (B). Fittings of noise class II are permissible here.



Barrier-free sanitary rooms

The minimum requirements for these rooms are defined in **EN 18040**, Part 1 »Barrier-free building – Basis for planning Part 1: buildings accessible to the public«. The size of the areas of movement in front of the objects should be a minimum of 1.50 x 1.50 m.

EN 18040, Part 1 »Barrier-free building - Planning guidelines - Part 1: Buildings accessible to the public«



Washbasin facilities

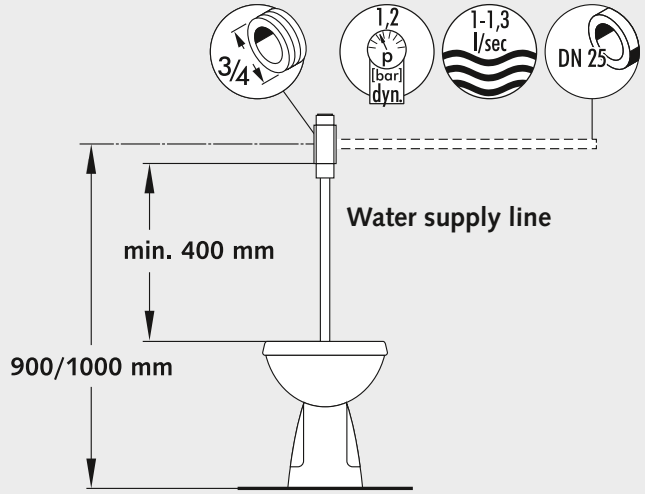
The washbasins must be installed at a height such that a wheelchair can fit underneath. The upper edge must not be higher than 80 cm and the free height below the washbasin 67 cm. Single-lever mixers or contact-free draw-off taps with max. 45° C are permissible as draw-off taps.

WC facilities

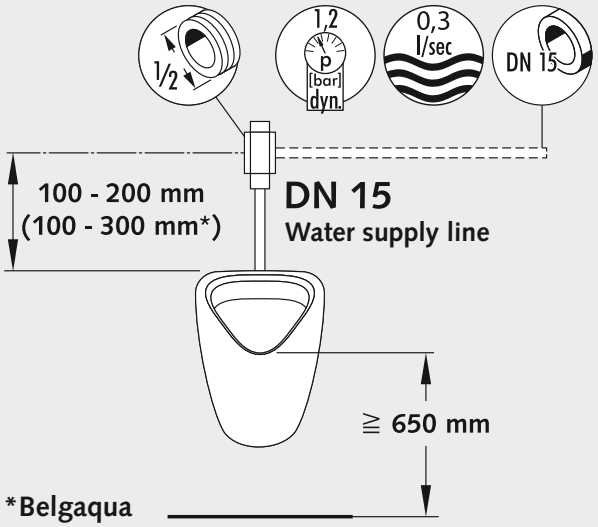
The height of the WC seat should be 48 cm and on the right and left, there must be two folding grab handles or support handles, installed at a height of 85 cm. The flush actuation should be positioned to the side so that the sitting position does not need to be changed. Furthermore, extended WC ceramics should be used.

DIN EN 806-3 and the complimentary national standard DIN 1988-300 / EN 1717
DIN EN 12541 »Sanitary fittings WC and urinal flush valves with automatic closing PN 10«
DIN 1390 »Urinals made from sanitary porcelain, wall-mounted; dimensions«

Installation requirement, wall-mounted flushing valve



The **SCHELL WC flush system**s are intrinsically safe fittings, in accordance with DIN EN 806-4 and the complimentary national standard DIN 1988-400 / EN 1717, by an integrated pipe interrupter of the design A1. According to DIN 1988-400 and DIN EN 12541, this must be a min. of 400 mm above the highest possible level of the wastewater (OK bowls).



Urinal flush system have no pipe interrupter. Protection is provided through the free drain, if correctly assembled with urinal bowl in accordance with DIN 1390.

Designation	Unit	Explanation
Flush water volume	l	The volume of water delivered during a flushing process
Flush rate	l/s	The volume of water delivered during the time unit
Static pressure	bar	Static overpressure at the location of installation of the flushing valve, without drawing off water
Flow pressure	bar	Static overpressure at the location of installation of the flushing valve, during flow of water

Definition of term from: DIN 3265 Part 1/09.86

Noise level of fittings

DIN EN 12541
»Sanitary fittings - WC and urinal flush valves with automatic closing PN 10«

Group of fittings	Noise level of fittings L_{AP}	
I	≤ 20 dB (A) at 2 ± 0.2 bar	≤ 25 dB (A) at 4 ± 0.2 bar
II	20 ≤ L_{AP} ≤ 30 dB (A) at 2 ± 0.2 bar	25 ≤ L_{AP} ≤ 35 dB (A) at 4 ± 0.2 bar
without	L_{AP} ≤ 30 dB (A) at 2 ± 0.2 bar	L_{AP} ≤ 35 dB (A) at 4 ± 0.2 bar

Extract from DIN EN 12541
»Group of fitting« as a concept is not well known in the trade. Thus, the majority refer to the »Noise class« (not a standard term).

DIN 4109
»Noise protection in building construction«

	Fitting noise level L_{AP} for the characteristic flow pressure or flow, in accordance with DIN 52218 Part 1 to Part 4	Group of fittings
Flush valve Cistern	≤ 20 dB (A)	I
	≤ 30 dB (A)	II

Extract from DIN EN 4109

DIN EN 806-3 »Dimensioning of the supply line« (e.g. for office buildings)

DIN EN 806-3 and the national complimentary standard DIN 1988-300
»Dimensioning pipelines«

To determine the diameter of the pipe, a calculation must be carried out in accordance with the regulations in DIN EN 806-3 and the complimentary national standard DIN 1988-30. Thereby, the minimum flow pressure and calculated flow rate for each fitting must be established.

Minimum flow pressure $P_{min\ FI}$ [bar]	Type of drinking water draw-off point	Calculated flow rate for drawing off	
		Flush rate	only cold or heated drinking water
		V_R [l/s]	V_S [l/s]
1.2 1.0	Flush valve for WC bowl DN 20 Flush valve for urinal bowl DN 15	1.2 0.3	1.07 0.26

DIN EN 806-3 »Dimensioning pipeline for WC flush fittings«

Note: For dimensioning, it is necessary to carry out in accordance with DIN EN 806-3 and the complimentary national standard DIN 1988-30.

Example of pipe dimensioning for an object in the public sector, for copper piping

Note:	1	2	3	4	5 - 7	8 - 10
Static pressure 2.5 - 5.0 bar*	1	1 1/4	1 1/4	1 1/2	1 1/2	2

*Minimum static pressure at location of installation. Flow pressure at the flushing valve 1.2 to 5.0 bar, flush flow 1.2 [l/s]

Further notes

- For WC flush valves, to protect pressure-sensitive devices, the supply line should be dimensioned greater than the dimension of the connection of the fitting.
- For noise protection reasons, pressure reducing valves should be used at a static pressure of more than 5 bar (DIN 4109). In addition, it is recommended to limit the flow pressure at the draw-off fitting to 3 bar.
- For the connection of flush valves, no separate standpipes or connecting lines are required.
- If water meters for flats are required downstream of the WC flush valves, these must be designed for a flow rate of 5 m^3/h.

Fitting recommendation in accordance with VDI 3818 (public sanitary rooms)

Building/ Facility type	Reference unit	Maximum size of the reference unit required by a WC/urinal			Number of disabled WCs per facility	Number of WCs requiring a hand wash-basin	Maximum size of the reference unit, requiring a shower		Special fittings	Comments
		WC		Urinal						
		Women	Men	Men			Women	Men		
Building with public access	Number of customers/ visitors (simultaneous)	75	100	100	1	1	–	–	–	–
Urban and residential centres, shopping precincts, high-traffic stops for public transport	Residents	5000 - 10000	5000 - 10000	5000 - 10000	1	1	–	–		
Leisure facilities, recreational parks	Visitors (simultaneous)	50 - 100	50 - 100	50 - 100	1	1	–	–		
Multi-storey, underground car parks	Bays	50 - 200	50 - 200	50 - 200	1	1	–	–		Refer to ordinance governing garages
Filling stations	Per installation	1	1	–	–	1	–	–		
Festivals, funfairs	Visitors (simultaneous)	250	500	250	1	3	–	–		
Station buildings, bus stations, air port and harbour buildings	Passengers (simultaneous)	100	100	50	1	1	–	–	1 spittoon per toilet entry area, 1 baby change unit	
Motorways, trunk roads	Every 25 km	2	1	2	1	2	–	–	1 nappy changing table every 50 km	
Motorway service stations	Seating	30	40	30	1	1 - 2	2 per service station		Nappy changing table	Taking service and filling station WC into account
Restaurants	Seating for up to 120	20	40	20	1	1	–	–	Spittoon	Also refer to federal state ordinances
	Seating for 121 to 480	30	60	30	1	1 - 2				
Camping sites	Pitches	10 - 15	20	20	1	3	25	25	1 nappy changing table (general access), 1 foot sink, 1 washing up sink and 2 laundry sinks for every 30 pitches, 1 tap water point with dirty-water drain every 50 pitches	Refer to ordinances governing camp sites
Indoor swimming pools	Water area up to 150 m²	150	150	150	1	1	15	15	1 hair-drying area, 1 nappy changing table (unrestricted access), 2 spittoons in the swimming pool area, 1 cold-water shower	Also refer to VDI 2089 Sheet 1
	Water area (151-500) m²	250	500	250			25	25		
	Drying area	1	1	1						

Fitting recommendation in accordance with VDI 3818 (public sanitary rooms)

Building/ Facility type	Reference unit	Maximum size of the reference unit required by a WC/urinal			Number of disabled WCs per facility	Number of WCs requiring a hand wash-basin	Maximum size of the reference unit, requiring a shower		Special fittings	Comments
		WC		Urinal						
		Women	Men	Men			Women	Men		
Open-air swimming pools	Water area up to 150 m²	250	500	250	1	3	330	330	1 hair-drying area for every 50 lockers, 1 nappy changing table, spittoon, cold-water shower, water fountain	Also refer to VDI 2089 Sheet 3
Saunas	Sauna capacity	10 - 15	20 - 25	20 - 25	1	1	3 - 8	3 - 8	Showers for pre-cleaning, showers with cold water, 1-2 foot warming basins, 1 water fountain, 1 spittoon	
Medicinal baths	Treatment bays	10 - 15	20 - 25	20 - 25	1	1	–	–		
Inpatient medical facilities	Station	2	1	1	1	1	–	–		
Outpatient medical facilities	Doctor bays	4	4	4	1	1	–	–		
Gymnasiums and sports halls	Sports area in m²	50 - 100	50 - 100	150 - 200	1	1 - 2	10 - 20	10 - 20	1 hair-drying area for every 50 lockers, 1 foot-washing area for every 5 showers	Refer to DIN 18032
Day facilities for children and youths	Refer to VDI 6000, Sheet 6									
Sales facilities from 2000 m² sales area	Sales area in m²	1,000	2,000	2,000	1	1			Sanitary facilities in proximity of main flow of traffic	
Cultural buildings (with busy periods)	Refer to VDI 6000, Sheet 3, Table 1									
Trade fair centres, exhibition buildings, conference centres	Refer to VDI 6000, Sheet 3, Table 1									
Spectator facilities at swimming pools and sport halls	Refer to VDI 6000, Sheet 3, Table 1									
Stadiums, outdoor sport facilities	Refer to VDI 6000, Sheet 3, Table 1									
Ice rinks	Refer to VDI 2075, Table 15									
	Refer to VDI 6000, Sheet 6									

Comment: For portable toilets,refer the information given in DIN 30750, Table 2.

Overview of WC flush systems

WC wall-mounted flush valves

WC control panel
AMBITION
Page 26

WC control panel EDITION,
Page 26
(also available as a filter angle valve)
Page 28

WC control panel EDITION,
ECO 100 Page 29
(also available as a filter angle valve)
Page 26

WC control panel
EDITION ECO ND
Page 29

WC control system EDITION E
Page 30
(also available without emergency actuation), Page 31

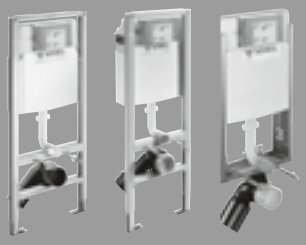
Single-flush/dual-flush switching module
Page 32

WC cistern systems

WC design control panel
AMBITION ECO
Page 41

WC electronic with
emergency actuation
Page 43

WC electronic
AMBITION E ECO
Page 43



SCHELL cistern systems
mounting module/contact-free /wet construction
Page 46

WC Wall-mounted flush valves

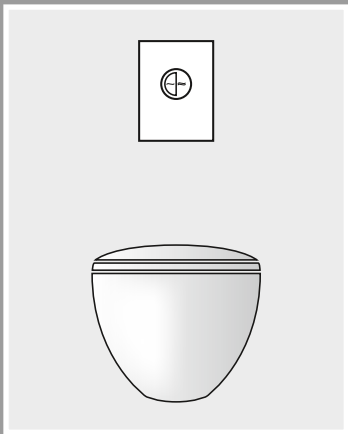
SCHELLOMAT
EDITION/EDITION ECO
Page 54

SCHELLOMAT
BASIC/SILENT ECO
Page 55

SCHELLOMAT
with lever
Page 56

SCHELLOMAT
Low pressure design
Page 57

Concealed solutions for WC flush systems.
By SCHELL.



Product range according to needs
For new buildings or complete modernization of public, semi-public or commercial sanitary rooms, WC's with concealed flush systems are practically standard today. Permanent readiness for flushing and low space requirement are only two arguments that can quickly convince the designer. However, if the cross-sections of the pipe for modernization and renovation are insufficient, SCHELL offer the cistern solution. For both fields of application, we offer perfect concealed WC flush systems. As required, also in vandal-proof quality.

Flush system technology with system
SCHELL provides a complete concealed WC flush system. The core is the concealed flush system COMPACT II with integrated self-closing cartridge and automatic nozzle cleaning pin. Matching this, SCHELL offers a wide range of attractive front control panels for manual actuation of the hydraulic cartridge, or also for electro-mechanical actuation. The system is rounded off with matching and partially preassembled mounting modules and accessories that significantly makes installation easier.

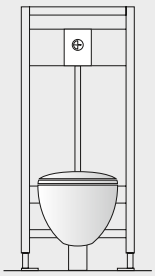
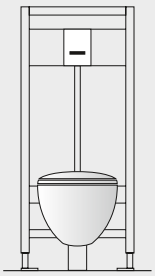
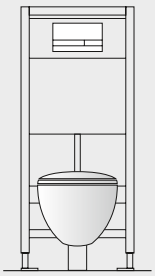
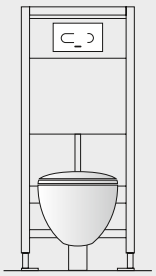
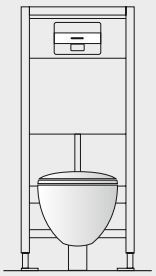
Modern cistern solutions
SCHELL also has an attractive range for concealed WC solutions with cisterns. Whether a system with manual actuation control panel or as infrared-controlled – all products are specially designed for severe use in public, semi-public or commercial sanitary rooms.

WC concealed flush system COMPACT II

Example of the perfect concealed WC flush system

Your wish
The finishing kit solution by SCHELL
Principle
Function
Technology
Special features
Finishing kit
Control unit
Mounting module Dry construction
Mounting module Wet construction

WC flush systems *CONCEALED SOLUTIONS*

A water-saving, inexpensive solution always ready to flush	A solution for low pressure with dual flush	A flushing valve solution for high standards of hygiene and economic use of water.	An economical and water-saving solution for minimal pipe cross-section	A hygienic and vandal-proof solution, also suitable for retrofitting.	Control that activates when leaving the WC. Intermediate flushing for handicapped areas possible
· AMBITION · EDITION · EDITION ECO	· EDITION ND · EDITION ECO ND · EDITION ECOND 100	· EDITION E	· LINEAR ECO · AMBITION ECO	· AMBITION E ECO	· WC ELEC. CONCEALED CISTERN
					
Manual actuation	Manual actuation	Actuated by exiting the sensor range	Manual actuation	Actuated by exiting the sensor range	Actuated by exiting the sensor range
Hydraulic cartridge pushbutton	*Hydraulic cartridge pushbutton*	*Infrared-controlled flushing valve*	*Cistern system*	*Infrared-controlled cistern system*	*Infrared-controlled cistern system*
· Single/dual flush · 4,5 - 9 l flushing adjustable · 3 l economy flush · Attractive surfaces	· Single/dual flush · Adjustable 6 l flush · 3 l economy flush · Attractive surfaces · Suitable for low pressure (0.8 - 2.5 bar)	· Solenoid valve · Battery and mains operated design · 3 - 9 l flushing · Optional with mechanical actuation in the event of a power failure · Stagnation flush	· Available in various designs/ variants · Disabled toilet installation possible · 3 l economy flush	· Disabled toilet installation possible · Adjustable 3 l economy flush · Stagnation flush · Actuation when hand in the proximity	· Manual-activated flushing · Automatic flushing when leaving the area of the sensor · Intermediate flushing every 10 minutes for handicapped area
COMPACT II	COMPACT II ND	COMPACT II	Cistern	Cistern	Cistern
SC cartridge	SC cartridge	Solenoid valve + SC cartridge	Drain valve	Motor lifting device drain valve	Motor lifting device drain valve
Yes	No	Yes	Yes	Yes	Yes
No	No	No	Yes	Yes	Yes

Concealed WC flushing valve COMPACT II

Highlights:
- Always ready to flush
- Compact and reliable
- Very small front panel
- Shallow installation depth
- Water path made from DR brass
- Isolating valve
- Mounting module
- Easy servicing
- Low-pressure: Flow pressure 0.8 - 2.5 bar
- Standard pressure: Flow pressure 1.2 - 5.0 bar
- Flushing nozzle for cleaning the pipeline

Easy to install, reliable and durable.
The compact concealed WC flush system COMPACT II is the technical core of all concealed WC flushing solutions with pressure flushing by SCHELL. The robust, solid brass construction of the water path provides a long service life.

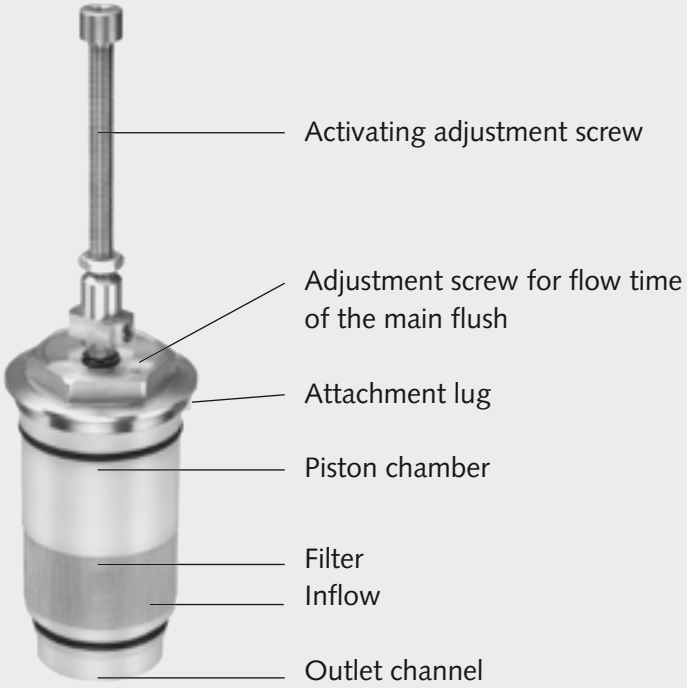
The concealed flush fitting COMPACT II presents the option to install different finishing kit using only one roughing-in set. Actuation is either mechanical or electronic, through single/dual flush. Servicing is easy and possible from the front.

Dimensioning lines/installation dimensions

In order to ensure that the fitting is permanently ready for flushing and, thus, the required flow pressure, the connecting line must be dimensioned to a minimum DN 25. The dimensions must be calculated for each object (simultaneity factor) and pipe material (in accordance with DIN EN 806-3 and the complimentary national standard DIN 1988-30).

Features of the self-closing cartridge SC

Core of the concealed WC flush fittings is the self-closing cartridge made from corrosion-resistant high-grade POM plastic with integrated nozzle cleaning pin. Single or dual flush self-closing cartridges are available, depending on the function



EDITION/AMBITION

Highlights:
- Selection of manual or electronic actuation
- Self-locking cartridge technology
- Nozzle cleaning pin
- Flushing nozzle
- 4.5 - 9 l flushing volume adjustable
- Front panel also with 3 l economy button(ECO)
- Isolating valve
- Same optics as EDITION/ AMBITION urinal control panels
- Vandal-proof stainless steel design

Wide range of functions and designs
With the two series of WC flushing valve, EDITION and AMBITION, SCHELL provides a wide range of variants with differing designs for different fields of application. Available in the materials durable plastic, single-pane safety glass or stainless steel.

The self-locking cartridge, made from corrosion-resistant high-grade POM plastic and automatic nozzle cleaning pin, in the scope of delivery for the finishing sets ensure continuous function and a high level sealing capacity. In addition, a filter protects the cartridge from contamination.

WC flush fitting, series EDITION/AMBITION

The elegant solution: AMBITION

A design variant to EDITION, AMBITION is available in high-quality, single-pane safety glass, in white or black.

The classic solution: EDITION/EDITION ECO

Whether with single or dual flush – EDITION and EDITION ECO are no longer indispensable from many public sanitary rooms and belong to the classics in the SCHELL range.

The solution for low pressure: EDITION ND, EDITION ECO ND, EDITION ECO ND 100

The self-closing design EDITION is also available for low pressure, as ECO version with dual flush or designed for shallow depth of installation.

The space-saving solution: EDITION ECO 100

If only a shallow depth of 100 - 160 mm is available for installation due to structural reasons, the EDITION ECO 100 with dual flush is the perfect solution.

The solution for the highest hygiene demands: EDITION E

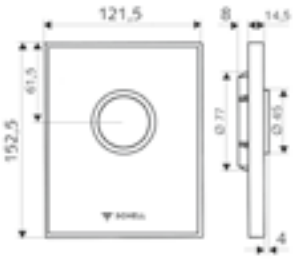
Actuation of this flush fitting is automatic when leaving the WC. A cleaning flush after use is possible by advancing the hand. Also available as a version with emergency actuation. Optional is external actuation using a switch module, single/dual flush possible.

WC roughing-in setCOMPACT II

The core of the WC flushing valve above is the COMPACT II roughing-in set for mounting the self-closing cartridge made of corrosion-resistant high-grade plastic (included in the finishing set for the control panels). The cartridge is protected from contamination by a filter.

WC control panel AMBITION

AMBITION



Features
Design control panel made from safety glass, incl. self-locking cartridge as finishing set, suitable for SCHELL concealed WC flush fitting COMPACT II.

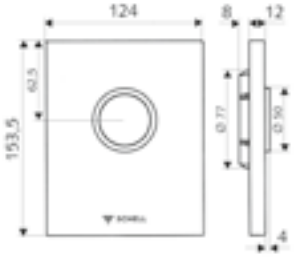
Technical Data AMBITION and COMPACT II		
Flush rate	1 - 1.3 l/s flush rate regulation using baffle plate	
Flow pressure	1.2 - 5.0 bar	
Main flush volume	4.5 - 9 l/s adjustable	
Test mark	PA-IX 18844/I, DIN-DVGW certified	
Dimension	DN 20 G 3/4 AG right	
Material	Flush fitting: dezincing-resistant brass control panel: Single-pane safety glass	
Installation dimensions COMPACT II	W 127 mm x H 121 mm x D 132 - 192 mm	
Control panel	**black (safety glass)**	**white (safety glass)**
Item No.	**02 818 00 99**	**02 819 00 99**

Scope of delivery:
Assembly frame incl. attachment, plastic cartridge with automatic nozzle cleaning pin (self-cleaning), drip pan to insert into the concealed flush fitting COMPACT II, control panel AMBITION made from safety glass with solid brass pushbutton, high gloss chrome-plated

Accessories	**Concealed WC flushing valve COMPACT II**	**Mounting module**
Item No.	**01 194 00 99**	**03 281 00 99**

WC-control panel EDITION

EDITION



Features
Design control panel, incl. self-locking cartridge as finishing set, suitable for SCHELL concealed WC flush fitting COMPACT II.

Technical Data EDITION and COMPACT II			
Flush rate	1 - 1.3 l/s flush rate regulation using baffle plate		
Flow pressure	1.2 - 5.0 bar		
Main flush volume	4.5 - 9 l/s adjustable		
Test mark	PA-IX 18844/I, DIN-DVGW certified		
Dimension	DN 20 G 3/4 AG right		
Material	Flush fitting: dezincing-resistant brass Control panel Plastic, stainless steel		
Installation dimensions COMPACT II	W 127 mm x H 121 mm x D 132 - 192 mm		
Control panel	**chrome**	**Alpine white**	**Stainless steel**
Item No.	**02 802 06 99**	**02 802 15 99**	**02 803 28 99**

Scope of delivery:
Control panel with pushbutton for single flush, assembly frame incl. attachments, plastic cartridge with automatic nozzle cleaning pin (self-cleaning), drip pan to insert into the concealed flush fitting

Accessories	**Concealed WC flushing valve COMPACT II**	**Mounting module**
Item No.	**01 194 00 99**	**03 281 00 99**

WC control panel EDITION ECO

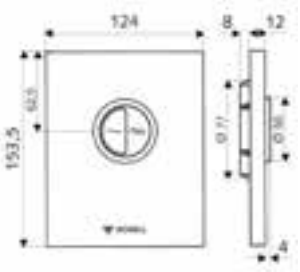
Features
Design control panel for 2 flush volumes, incl. self-locking cartridge as finishing set, suitable for SCHELL concealed WC flush fitting COMPACT II.

Technical Data EDITION ECO and COMPACT II			
Flush rate	1 - 1.3 l/s flush rate regulation using baffle plate		
Flow pressure	1.2 - 5.0 bar		
Main flush flow	4.5 - 9 l/s adjustable		
Economy button	3 l		
Test mark	PA-IX 18844/I, DIN-DVGW certified		
Dimension	DN 20 G 3/4 AG right		
Material	Flush fitting: dezincing-resistant brass Control panel Plastic, stainless steel		
Installation dimensions COMPACT II	W 127 mm x H 121 mm x D 132 - 192 mm		
Control panel	**chrome**	**Alpine white**	**Stainless steel**
Item No.	**02 804 06 99**	**02 804 15 99**	**02 805 28 99**

Scope of delivery:
Control panel with pushbutton for economy and main flushing, assembly frame incl. attachments, plastic cartridge with automatic nozzle cleaning pin (self-cleaning), drip pan to insert into the concealed flush fitting

Accessories	Concealed WC flushing valve COMPACT II	Mounting module
Item No.	**01 194 00 99**	**03 281 00 99**

EDITION ECO



WC control panel EDITION ECO 100

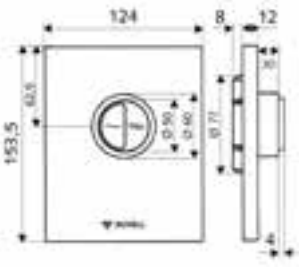
Features
Design control panel for 2 flush volumes, incl. self-locking cartridge as finishing set, suitable for SCHELL concealed WC flush fitting COMPACT II with shallow installation depth.

Technical Data EDITION ECO 100 and COMPACT II		
Flush rate	1 - 1.3 l/s flush rate regulation using baffle plate	
Flow pressure	1.2 - 5.0 bar	
Main flush volume	4.5 - 9 l/s adjustable	
Economy button	3 l	
Test mark	PA-IX 18844/I, DIN-DVGW certified	
Dimension	DN 20 G 3/4 AG right	
Material	Flush fitting: dezincing-resistant brass Control panel Plastic	
Installation dimensions COMPACT II	W 127 mm x H 121 mm x D 100 - 160 mm	
Control panel	**chrome**	**Item No.. 02 825 06 99**

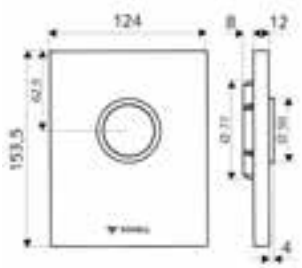
Scope of delivery:
Assembly frame incl. attachment, plastic cartridge with automatic nozzle cleaning pin (self-cleaning), drip pan to insert into the concealed flush fitting, control panel with pushbutton for economy and main flushing

Accessories	Concealed WC flushing valve COMPACT II	Mounting module
Item No.	**01 194 00 99**	**03 281 00 99**

EDITION ECO 100



EDITION ND



WC control panel EDITION ND for low pressure

Features

Design control panel including self-locking cartridge (low pressure from 0.8 bar) as finishing set, for SCHELL concealed WC flush system COMPACT II ND.

Technical Data EDITION ND and COMPACT II ND	
Flush rate	1.4 l/s flush rate regulation using baffle plate
Flow pressure	0.8 - 2.5 bar
Main flush volume	4.5 - 6 l/s adjustable
Economy button	–
Dimension	DN 25 G 1 AG right
Material	Flush fitting: dezincing-resistant brass Control panel Plastic, stainless steel
Installation dimensions COMPACT II	W 127 mm x H 121 mm x D 132 - 192 mm

Control panel	**chrome**	**Alpine white**	**Stainless steel 150 x 120 mm vandal-proof**
Item No.	**02 815 06 99**	**02 815 15 99**	**02 815 28 99**

Scope of delivery:

- Control panel with pushbutton for single flush
- Assembly frame incl. attachment
- Plastic cartridge with automatic nozzle cleaning pin (self-cleaning)
- Drip pan to insert into the concealed flush fitting

Accessories	**COMPACT II ND concealed WC flush valve**	**Item No. 01 137 00 99**

WC control panel EDITION ECO ND for low pressure

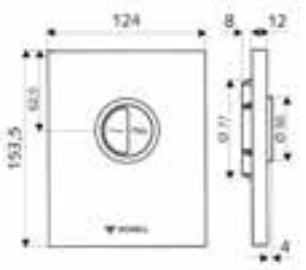
Features
Design control panel for 2 flush volumes including self-locking cartridge (low pressure from 0.8 bar) as finishing set, for SCHELL concealed WC flush system COMPACT II ND.

Technical Data EDITION ECO and COMPACT II ND			
Flush rate	1.4 l/s flush rate regulation using baffle plate		
Flow pressure	0.8 - 2.5 bar		
Main flush flow	4.5 - 6 l/s adjustable		
Economy button	3 l		
Dimension	DN 25 G 1 AG right		
Material	Flush fitting: dezincing-resistant brass Control panel Plastic, stainless steel		
Installation dimensions COMPACT II	W 127 mm x H 121 mm x D 132 - 192 mm		
Control panel	**chrome**	**Alpine white**	**Stainless steel 150 x 120 mm vandal-proof**
Item No.	**02 814 06 99**	**02 814 15 99**	**02 814 28 99**

Scope of delivery:
- Control panel with pushbutton for economy and main flushing
- Assembly frame incl. attachment
- Plastic cartridge with automatic nozzle cleaning pin (self-cleaning)
- Drip pan to insert into the concealed flush fitting

Accessories	**COMPACT II ND concealed WC flush valve**	**Item No. 01 137 00 99**

EDITION ECO ND



WC control panel EDITION ECO ND 100 for low pressure

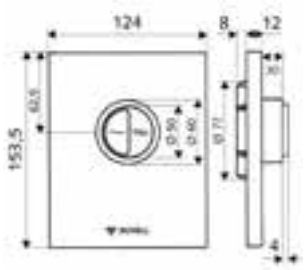
Features
Design control panel for 2 flush volumes including self-locking cartridge (low pressure from 0.8 bar) as finishing set, for SCHELL concealed WC flush system COMPACT II ND with shallow installation depth.

Technical Data EDITION ECO ND 100 and COMPACT II ND	
Flush rate	1 - 1.3 l/s flush rate regulation using baffle plate
Flow pressure	1.2 - 5.0 bar
Main flush volume	4.5 - 9 l/s adjustable
Economy button	3 l
Dimension	DN 20 G 3/4 AG right
Material	Flush fitting: dezincing-resistant brass control panel: Plastic, chrome
Installation dimensions COMPACT II	W 127 mm x H 121 mm x D 100 - 160 mm
Control panel	**Item No. 02 824 06 99**

Scope of delivery:
- Control panel with pushbutton for economy and main flushing
- Assembly frame incl. attachment
- Plastic cartridge with automatic nozzle cleaning pin (self-cleaning)
- Drip pan to insert into the concealed flush fitting

Accessories	**COMPACT II ND concealed WC flush valve**	**Item No. 01 137 00 99**

EDITION ECO ND 100



EDITION E

Highlights:
- Electronic and hygienic actuation
- Optional with mechanical actuation in the event of a power failure
- Option to convert from manual SC actuation to infrared actuation
- Battery and mains operated design
- 4.5 - 9 l flushing volume adjustable
- Isolating valve
- Vandal-proof stainless steel design
- Stagnation flush

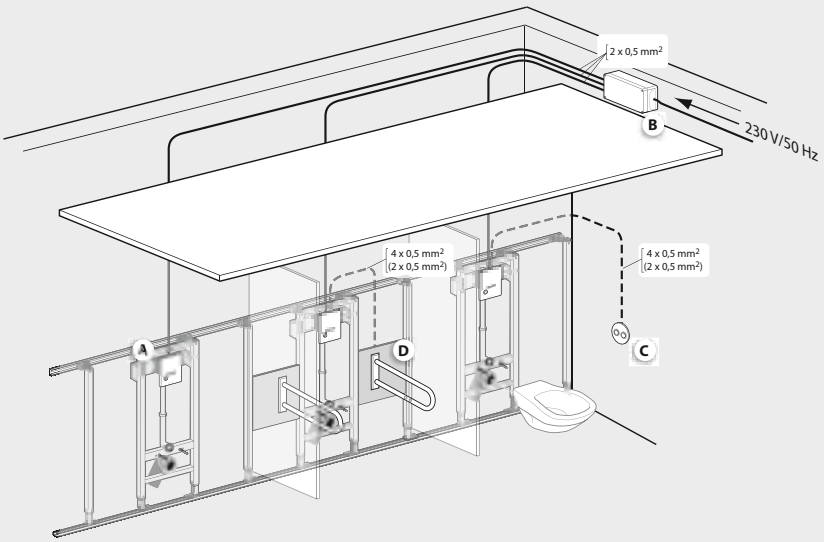
Particularly hygienic and water-saving

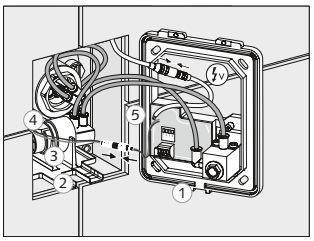
With EDITION E, SCHELL offers an electronic WC flush fitting for the highest requirements for hygiene and water-saving. When leaving the area of the sensor, the electronics automatically activate the flushing. Even in the event of a power failure, manual actuation is always possible. In addition, the stagnation flush every 24 h after the last flush provides for maximum hygiene of the water. The EDITION E is based on the WC roughing-in set COMPACT II and mounting module COMPACT II, as well as the proven SC cartridge with nozzle cleaning pin, in conjunction with an electronic module and a solenoid valve block.
Using the SCHELL single or dual flush switching module, single/dual flush is realized. Thereby, the location of the switching modules can be arbitrarily selected according to the local circumstances. Further advantage: Control of the electronics is through an installed support handle with actuation switch.

EDITION E is also in demand as a solution for modernization. Then, the option to convert from manual SC actuation to infrared actuation with battery compartment is relatively easy.

Assembly example 1

In-line mounting EDITION E with emergency actuation »A« on WC mounting modules COMPACT II	**Item No. 03 281 00 99**
With/without installed support handles »D« with/without activating switch single/dual flush on mounting module, barrier-free	**Item No. 03 263 00 99**
With electric junction box and mains adapter for 1-12 fittings, Position »B« freely selectable	**Item No. 01 537 00 99**
Optional, single/dual flush switching module »C« for flexible locating	**Item No. 01 170 06 99** **Item No. 01 169 06 99**



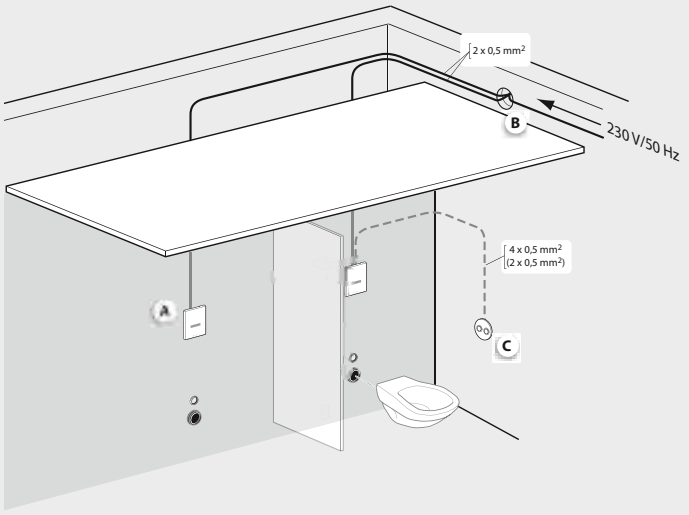


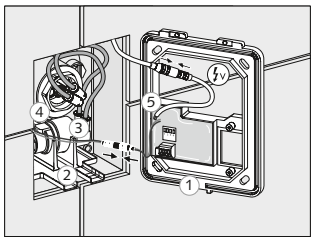
Modular construction EDITION E with emergency actuation

1 Assembly frame with E-module and emergency actuation with hydraulic connections and terminal strip for remote actuation (small and large flush volume)
2 Solenoid valve block with hydraulic connections
3 Plastic cartridge with cleaning pin and hydraulic connections
4 Concealed flush fitting COMPACT II/WC mounting module COMPACT II
5 Power supply mains adapter/ battery compartment

Assembly example 2

In-line mounting EDITION E »A« on concealed WC flush fitting COMPACT II	**Item No. 03 281 00 99**
With concealed mains adapter for 14 fittings, Position »B« freely selectable	**Item No. 01 566 00 99**
Optional, single/dual flush switching module »C« for flexible locating	**Item No. 01 170 06 99** **Item No. 01 169 06 99**



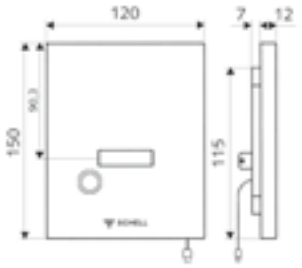


Modular construction EDITION E without emergency actuation

1 Assembly frame with E-module and hydraulic connections and terminal strip for remote actuation (small and large flush volume)
2 Solenoid valve block with hydraulic connections
3 Plastic cartridge with cleaning pin and hydraulic connections
4 Concealed flush fitting COMPACT II/WC mounting module COMPACT II
5 Power supply mains adapter/ battery compartment

WC control EDITION E with manual emergency actuation

EDITION E
with manual emergency actuation



Features

Contact-free infrared flushing unit as finishing set with stainless steel front panel for SCHELL concealed WC flush fitting COMPACT II. Automatic actuation when leaving the WC. Emergency actuation possible. Prepared for actuation by WC switching module single/dual flush.

Technical Data EDITION E with emergency actuation and COMPACT II	
Function	Battery mode/mains mode (accessories)
Emergency actuation	Yes, 3 l
Main flush volume	6 l factory setting, 3.5 - 9 l adjustable
Stagnation flush	Every 24 h after the last flush
Room monitoring	Adjustable 400 - 800 m
Material	Stainless steel front panel
Installation dimensions COMPACT II	W 127 mm x H 121 mm x D 132 - 192 mm

EDITION E with emergency actuation (front panel stainless steel)	**Item No. 01 546 28 99**

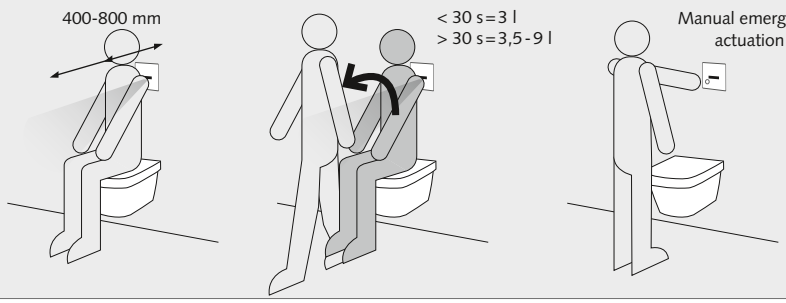
Scope of delivery EDITION E with manual emergency actuation

- Assembly frame with electronic module and attachment
- Front panel with sensor window and button for manual actuation
- Bistable cartridge solenoid valve 6 V
- Mechanical bypass valve for manual actuation in the event of power failure
- Plastic cartridge with automatic nozzle cleaning pin
- Drip pan to insert into the concealed flush fitting COMPACT II

Single flush switch module

Accessories	
• Concealed WC flush fitting COMPACT II	**Item No. 01 194 00 99**
• WC mounting module COMPACT II	**Item No. 03 281 00 99**
• Battery compartment with 6 x LR6 AA 1.5 V alkaline batteries	**Item No. 01 853 00 99**
• Mains adapter for up to 4 fittings	**Item No. 01 566 00 99**
• Mains adapter for up to 12 fittings 100 - 240 V, 50 - 60 Hz/12 V	**Item No. 01 490 00 99**
• Electric junction box up to 12 fittings 100 - 240 V, 50 - 60 Hz/12 V	**Item No. 01 537 00 99**
• Single flush switching module	**Item No. 01 170 06 99**
• Dual flush switching module	**Item No. 01 169 06 99**

Process

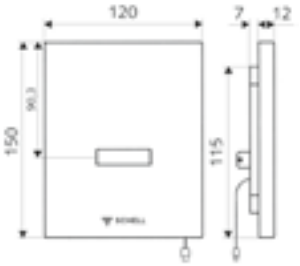


WC control system EDITION E

Features

Contact-free infrared flushing unit as finishing set with stainless steel front panel for SCHELL concealed WC flush fitting COMPACT II. Automatic actuation when leaving the WC. Prepared for actuation by WC switching module single/dual flush.

EDITION E



Technical Data EDITION E and COMAPCT II	
Function	Battery mode/mains mode (accessories)
Emergency actuation	No
Main flush volume	6 l factory setting, 3 - 9 l adjustable
Stagnation flush	Every 24 h after the last flush
Room monitoring	Adjustable 400 - 800 m
Material	Stainless steel front panel
Installation dimensions COMPACT II	W 127 mm x H 121 mm x D 132 - 192 mm

EDITION E (front panel stainless steel)	Item No. 01 548 28 99

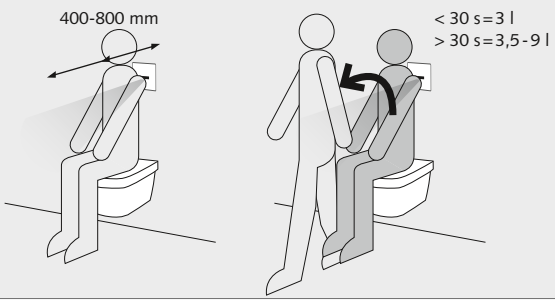
Scope of delivery EDITION E

- Assembly frame with electronic module and attachment
- Front panel with sensor window
- Bistable cartridge solenoid valve 6 V
- Plastic cartridge with automatic nozzle cleaning pin
- Drip pan to insert into the concealed flush fitting COMPACT II

Accessories	
• Concealed WC flush fitting COMPACT II	**Item No. 01 194 00 99**
• WC mounting module COMPACT II	**Item No. 03 281 00 99**
• Battery compartment with 6 x LR6 AA 1.5 V alkaline batteries	**Item No. 01 853 00 99**
• Mains adapter for up to 4 fittings	**Item No. 01 566 00 99**
• Mains adapter for up to 12 fittings 100 - 240 V, 50 - 60 Hz/12 V	**Item No. 01 490 00 99**
• Electrical distribution box up to 12 fittings 100 - 240 V, 50 - 60 Hz/12 V	**Item No. 01 537 00 99**
• Single flush switching module	**Item No. 01 170 06 99**
• Dual flush switching module	**Item No. 01 169 06 99**

Dual flush switch module

Process

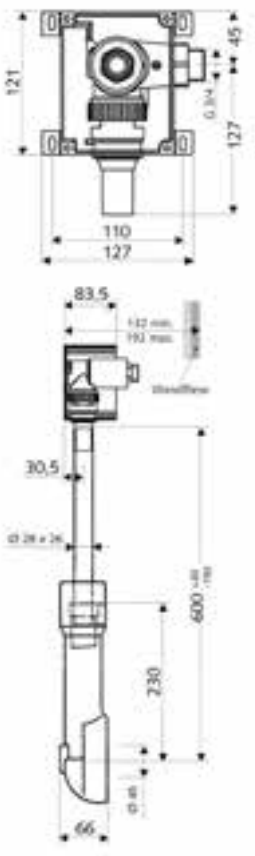


Concealed WC flush system COMPACT II

Features

Low noise concealed flush fitting as finishing set for mechanical or electronic actuation, with internal isolating valve for mounting the SCHELL WC control panels/WC controls for the series EDITION, AMBITION and for flush-out and wash-down bowls, flush fitting conforms to DIN EN 12541.

COMPACT II



Technical specifications	
Flush rate	1 - 1.3 l/s
Flow pressure	1.2 - 5.0 bar
Noise class	I
Test mark	PA-IX 18844/I, DIN-DVGW certified (in conjunction with WC finishing set)
Dimension	DN 20 G 3/4 AG right
Material	Dezincing-resistant brass
Installation dimensions	W 127 mm x H 121 mm x D 132 - 192 mm

Item No.	**01 194 00 99**

Scope of delivery

- Plastic roughing-in casing
- Preassembled water path made from DR brass
- Isolating valve/connection G 3/4 AG, right
- Flush plug G 3/4 AG
- Protective cover incl. attachment
- Height adjustable flush pipe (200 - 600 mm) with construction plug

Accessories

- **WC control EDITION E,**
  Item No. 01 546 28 99/01 548 28 99
- **WC control panels EDITION (single flush),**
  Item No. 02 802 06 99/02 802 15 99/02 803 28 99
- **WC control panels AMBITION (single flush),**
  Item No. 02 818 00 99/02 819 00 99
- **WC control panels EDITION ECO (dual flush),**
  Item No. 02 804 06 99/02 804 15 99/02 805 28 99/02 825 06 99

Note

- The flush plug provides easier flushing of the pipeline (in accordance with DIN EN 806-4/5 and the complimentary national standard DIN 1988-400/500) before assembly of the WC finishing set
- The flush pipe is protected by insulation against condensate on the lower part
- The drip pan is a part of the control panel. It collects any drops escaping from the pipe interrupter and routes these forwards out of the concealed WC flush fitting

WC mounting module COMPACT II

Features

Mounting module for free-standing or wall-mounting installation; self-supporting sectional steel frame (powder-coated surface) with height-adjustable, structure-borne noise insulated zinc-dipped feet; adjustable bracket, actuation of the flushing is on the SCHELL WC control panels and WC control of the series EDITION and AMBITION; flush system conforms to DIN EN 12541.

Technical specifications	
Flush rate	1 - 1.3 l/s
Flow pressure	1.2 - 5.0 bar
Noise class	I
Test mark	PA-IX 18844/I, DIN-DVGW certified (in conjunction with WC finishing set)
Dimension	DN 20 G 3/4 AG right
Material	Dezincing-resistant brass

Item No.	**03 281 00 99**

Scope of delivery

- WC flush system COMPACT II with flush plug
- Fitting connection G 3/4 AG with isolating valve right
- Horizontal scale on both sides for accurate adjustment
- Attachment material for mounting feet and post-and-beam structure
- Height adjustment of mounting feet from 0 - 200 mm
- Flush pipe Ø 45 mm, with construction plug
- HDPE drain elbow Ø 90 / 90 mm, with construction plug
- Adapter Ø 90 / 110 mm
- WC connection set Ø 90 / 110 mm
- WC attachment M 12 x 180 mm, with protective hose, nuts and cover caps

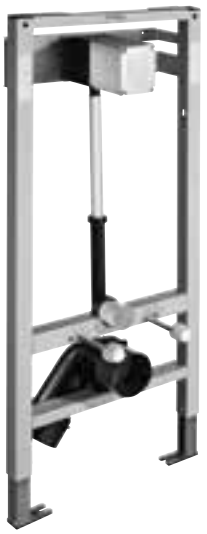
Accessories

For in-line mounting

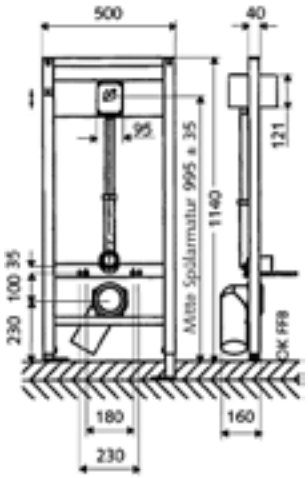
- **Attachment rail, Item No. 03 270 00 99**
- **Quick lock, Item No. 03 265 00 99 or**
- **Spring T-nut, Item No. 03 043 00 99**
- **Universal attachment screws, Item No. 03 268 00 99**
- **Wall stand, height 1140 mm, Item No. 03 269 00 99**

Accessoriesrequired

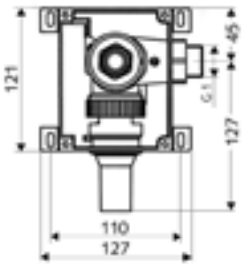
- **For wall-mounting installation, wall mounting set, Item No. 03 258 00 99**
- **WC control EDITION E,**
  Item No. 01 546 28 99/01 548 28 99
- **WC control panels EDITION (single flush),**
  Item No. 02 802 06 99/02 802 15 99/02 803 28 99
- **WC control panels AMBITION (single flush),**
  Item No. 02 818 00 99/02 819 00 99
- **WC control panels EDITION ECO (dual flush),**
  Item No. 02 804 06 99/02 804 15 99/02 805 28 99/02 825 06 99

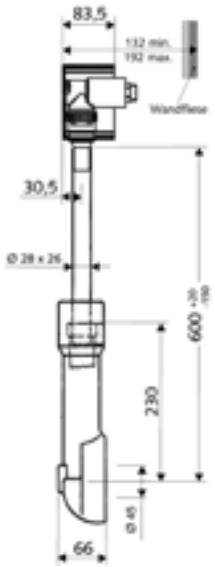


Mounting module
COMPACT II



COMPACT II ND





Concealed WC flush system COMPACT II ND

Features

Roughing-in set, mechanical actuation for low pressure from 0.8 bar. Low-noise concealed flush system with internal isolating valve for mounting all SCHELL WC control panels EDITION ND. For flush-out and wash-down bowls.

Technical specifications	
Flush rate	1.2 l/s at min 0.8 bar flow pressure
Flow pressure	0.8 - 2.5 bar
Dimension	DN 25 G 1 AG right
Material	Dezincing-resistant brass
Installation dimensions	W 127 mm x H 121 mm x D 132 - 192 mm

Item No.	**01 137 00 99**

Scope of delivery

- Plastic roughing-in casing
- Preassembled water path made from DR brass
- Isolating valve/connection G 1 AG, right
- Flushing plug G 3/4 AG
- Protective cover incl. attachment
- Height adjustable flush pipe (200 - 600 mm) with construction plug

Accessories

- **WC control panels EDITION ND (single flush), Item No. 02 815 06 99/02 815 15 99/02 815 28 99**
- **WC control panels EDITION ECO ND (dual flush), Item No. 02 814 06 99/02 814 15 99/02 814 28 99**
- **WC control panels EDITION ECO ND 100 (dual flush), Item No. 02 824 06 99**

Note

- The flush plug provides easier flushing of the pipeline (in accordance with DIN EN 806-4/5 and the complimentary national standard DIN 1988-400/500) before assembly of the WC finishing set
- The flush pipe is protected by insulation against condensate on the lower part
- The drip pan is a part of the control panel. It collects any drops escaping from the pipe interrupter and routes these forwards out of the concealed WC flush fitting

WC mounting for standard and low pressure designs

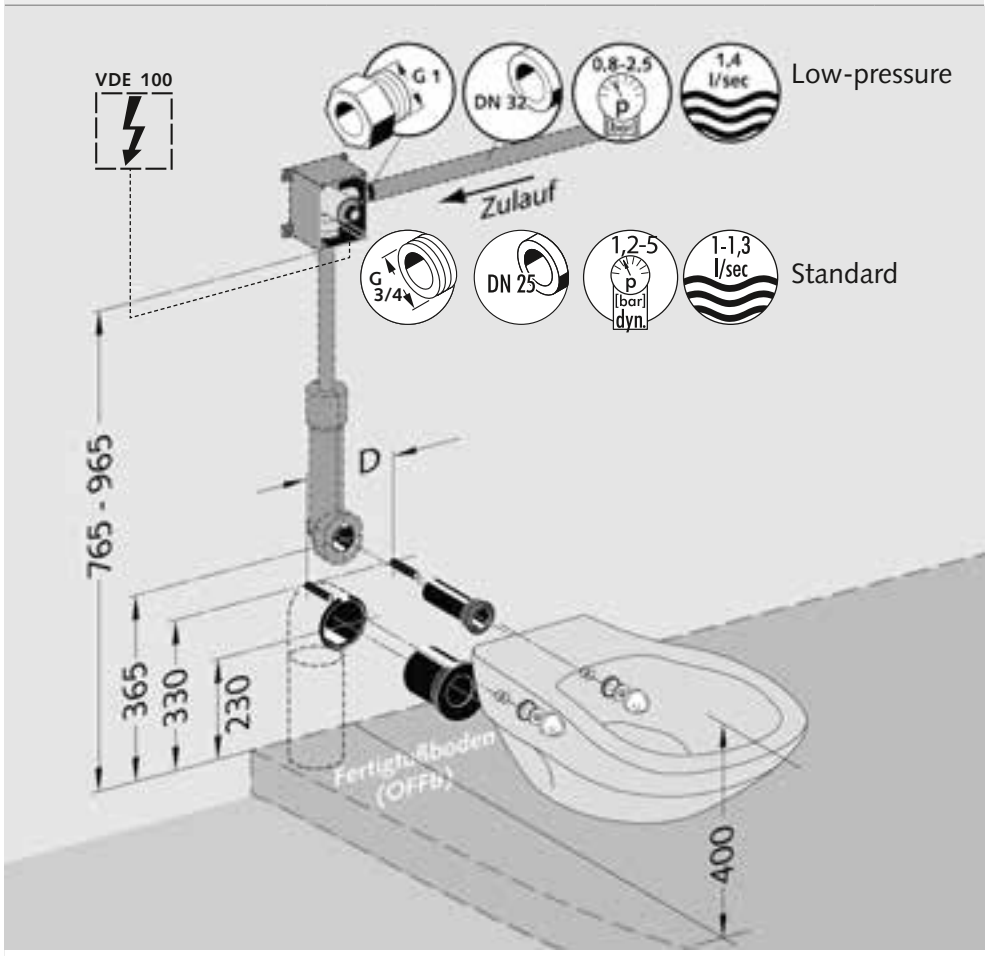
WC attachment

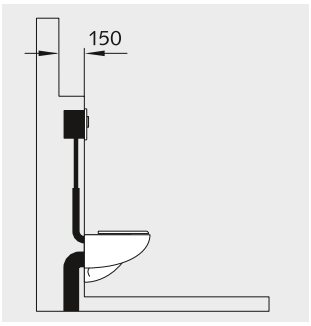
The majority of wall-mounted WC bowls have an attachment dimension D = 180 mm. Observe the installation dimensions from the manufacturer.

Features

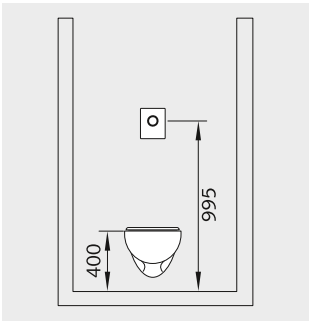
- Water path with internal isolating valve
- Suitable for single, dual flush technology and electronic actuation
- Suitable for all porcelain bowls
- Integrated in SCHELL WC mounting module COMPACT II

Installation dimensions (mm) for a standard WC





Minimum installation depth
Wall-mounted installation with mounting module



Standard installation dimensions in mm. Note: The mounting heights can vary (e.g. in the barrier-free area, nurseries)

DIN EN 806-3, Dimensioning pipeline for WC flush fittings

Note: For dimensioning, it is necessary to carry out in accordance with DIN EN 806-3 and the complimentary national standard DIN 1988-30.

Number of flush valves	1	2	3	4	5 - 7	8 - 10
Static pressure 2.5 - 3.5 bar*	1	1 1/4	1 1/4	1 1/2	1 1/2	2

*Minimum static pressure at the fitting. Flow pressure at the flushing valve 1.2 to 5.0 bar, flush flow 1.2 [l/s]

Inflow and drain set (DN 110/DN 90).
DN 110, **Item No. 03 207 00 99**
DN 90, **Item No. 03 261 00 99**

Battery compartment

SCHELL battery compartment

For electronic fittings without ECO function

Scope of delivery
- Battery compartment
- 6 Alkaline batteries Type AA

Accessories
WC control EDITION E 01 546 28 99 or WC control EDITION E 01 548 28 99

Item No. 01 853 00 99

Mains adapter

SCHELL mains adapter 100 - 240 V, 50 - 60 Hz, 12 V

For 1 - 12 connections and up to 12 fittings

Field of application/Technical Data
Input: 100 - 240 VAC 2 A, 50 - 60 Hz
Output: 12 VDC 2 A (24 W)
For mounting on top-hat rail 35 mm (in accordance with EN 552)
Terminal strip and top-hat rail on site

Accessories
Connecting cable D-P-T 5 m long 01 542 00 99/connecting cable D-P-T 10 m long 01 543 00 99
WC control EDITION E 01 546 28 99/WC control EDITION E 01 548 28 99

Item No. 01 490 00 99

SCHELL Electric junction box

For 1 - 12 connections
For up to 12 fittings or 12 solenoid valves for thermal disinfection

Field of application/Technical Data
IP 65
Mains adapter: Input: 100 - 240 VAC 2 A, 50 - 60 Hz, Output: 12 VDC 2 A (24 W)

Scope of delivery
- E-distribution box with SCHELL mains adapter for 1 - 12 fittings, mounted on top-hat rail incl. connecting terminal block 12-fold
- 4-fold locking of the cover
- System connection to an ISO clamp fittings pre-punched

Accessories
Connecting cable D-P-T 5 m long 01 542 00 99/connecting cable D-P-T 10 m long 01 543 00 99
WC control EDITION E 01 546 28 99/WC control EDITION E 01 548 28 99

Item No. 01 537 00 99

Electric junction box

SCHELL concealed mains adapter

For 1 - 4 fittings
Mains adapter for SCHELL WC control

Field of application/Technical Data
Input: 100 - 240 V, 50 - 60 Hz braid cable
Output: 12 V at the plug

Scope of delivery
- Mains adapter
- Adapter cable

Accessories
Connecting cable D-P-T 5 m long 01 542 00 99/connecting cable D-P-T 10 m long 01 543 00 99
WC control EDITION E 01 546 28 99/WC control EDITION E 01 548 28 99

Item No. 01 566 00 99

Concealed adapter

WC cistern systems

Highlights:
- Versions with water-saving dual-flushing, start/stop function or infrared control
- Sophisticated design
- Robust quality
- Individually adjustable flush volume (main flush volume 6.0 - 7.5 l)
- Modules for free-standing or wall-mounting installation, suitable for dry and wet installations and disabled facilities

The SCHELL cistern systems verify that reliability and sophisticated design is not a contradiction. Irrespective of your requirements when equipping private and, in particular, public, semi-public or commercial sanitary rooms, we have the suitable solution. Whether dual flushing, start/stop function or the convenient, contact-free and, thus, hygienic actuation using an infrared sensor. The attractive control panels are available in plastic, glass or vandal-proof stainless steel.

Mounting module for the many various fields of application round off the range.

Control panels for SCHELL concealed cisterns

SCHELL WC control panel LINEAR ECO

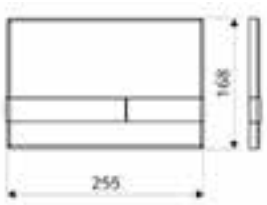
Function: Dual flushing

Model	
Front panel plastic chrome	**Item No. 03 285 06 99**
Front panel plastic alpine white	**Item No. 03 285 15 99**
Front panel plastic brushed chrome	**Item No. 03 285 64 99**

Accessories:

- Cistern mounting module (SCHELL), Item No. 03 250 00 99
- Cistern mounting module, barrier-free (SCHELL) Item No. 03 051 00 99
- Cistern mounting module, wet construction (SCHELL), Item No. 03 252 00 99

LINEAR ECO



SCHELL WC control panel AMBITION ECO

Function: Dual flushing

Scope of delivery

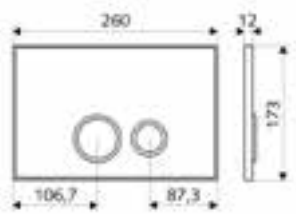
- Front panel with actuation buttons for main and economy flushing
- Mounting frame
- 2 trigger bolts
- 2 bolt quick locks

Models (actuation buttons made from brass high-gloss chrome)	
Front panel glass white	**Item No. 03 286 00 99**
Front panel glass mintgreen	**Item No. 03 287 00 99**
Front panel glass black	**Item No. 03 288 00 99**

Accessories:

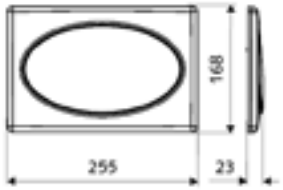
- Cistern mounting module (SCHELL), Item No. 03 250 00 99
- Cistern mounting module, barrier-free (SCHELL) Item No. 03 051 00 99
- Cistern mounting module, wet construction (SCHELL), Item No. 03 252 00 99

AMBITION ECO



Control panels for SCHELL concealed cisterns

Control panel



WC control button

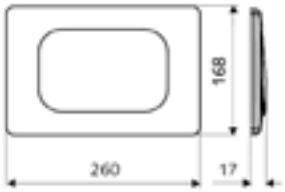
Function: Start/Stop

Model	
Front panel plastic chrome	**Item No. 03 262 06 99**
Front panel plastic white	**Item No. 03 262 12 99**

Accessories:

- Cistern mounting module (SCHELL), Item No. 03 250 00 99
- Cistern mounting module, barrier-free (SCHELL), Item No. 03 051 00 99
- Cistern mounting module, wet construction (SCHELL), Item No. 03 252 00 99

Control panel



WC control button

Function: Start/Stop

Model	
Stainless steel front panel	**Item No. 03 262 28 99**

Accessories:

- Cistern mounting module (SCHELL), Item No. 03 250 00 99
- Cistern mounting module, barrier-free (SCHELL), Item No. 03 051 00 99
- Cistern mounting module, wet construction (SCHELL), Item No. 03 252 00 99

WC electronics for SCHELL concealed cisterns

Electronic WC fitting

Function: Infrared actuation (manual actuation possible in the event of power failure)

Scope of delivery

- Mains adapter230 V/12 V 50 Hz
- Front panel with electronic and lifting system

Models (with emergency actuation)

Front panel plastic chrome	**Item No. 01 181 06 99**

Accessories:

- Cistern mounting module (SCHELL), Item No. 03 250 00 99
- Cistern mounting module, barrier-free (SCHELL), Item No. 03 051 00 99
- Cistern mounting module, wet construction (SCHELL), Item No. 03 252 00 99

Electronics

WC control panel AMBITION E ECO

Function: Design control panel made from safety glass with electronic control

Scope of delivery

- Front panel made from safety glass in the plastic frame
- Mounting frame with integrated electronics and bearing bracket with motor lifter
- Mains adapter 230 V / 12 V

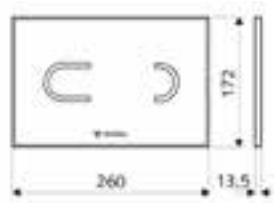
Model (user detection)

Front panel white glass (ESG), frame plastic chromed	**Item No. 01 260 00 99**
Front panel black glass (ESG), frame plastic chromed	**Item No. 01 261 00 99**

Accessories:

- Cistern mounting module (SCHELL), Item No. 03 250 00 99
- Cistern mounting module, barrier-free (SCHELL), Item No. 03 051 00 99
- Cistern mounting module, wet construction (SCHELL), Item No. 03 252 00 99

AMBITION E ECO



Note: Functional sequence, refer to Page 44

AMBITION E ECO

WC control panel AMBITION E ECO, Functional description

Fully automatic function:
Users are detected by the control and, after use, automatically triggers flushing.

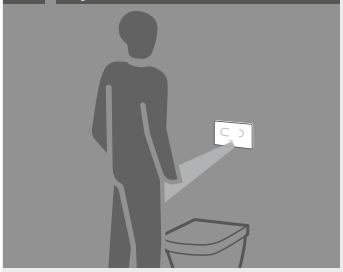
Semi-automatic function:
Flushing is carried out after use by a tap on the pulsating Touch-Tronic-Icon.

Additional short range reflex function:
Contact-free flushing by advancing the hand towards the IR sensor.

Additional function:
Intermediate flushing every 10 min. (switchable)

Full automatic function (preset) DIP switch 1 ON

1 Symbol ON

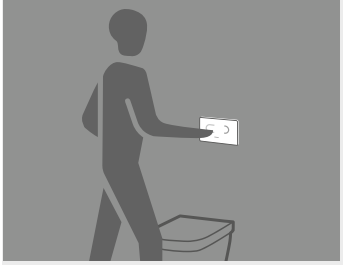


The user steps in front of the WC bowl and is detected by the control. The light symbol begins to slowly pulsate.

2 AUTOMATIC

During use, the light symbol continues to pulsate. As soon as the user stands up (minimum dwell time of 10 s is required) the light symbol begins to pulsate quickly and the control automatically triggers a large flush volume after 2 s. This delay of 2 s prevents undesired flushing, in the event that the user was only out of the active area for a short period.

3 MANUAL



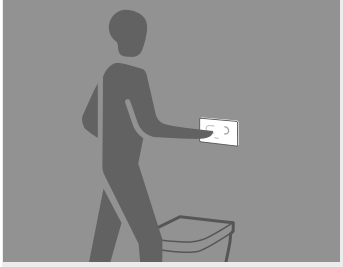
Furthermore, at any time the user has the option to also manually trigger the large or small flush, by pressing on the respective button. The large flush volume can be stopped by again pressing. If actuation of a button is continuous, the flushing can be extended arbitrarily. After a flushing, no automatic flushing occurs within the next 30 s.

Full automatic function (preset) DIP switch 5 ON

1 Symbol ON

The user steps in front of the WC bowl and is detected by the control. The light symbol begins to slowly pulsate. During use, the light symbol continues to pulsate.

2 MANUAL



Manual flushing is by advancing the hand towards the infrared sensor (no contact required). When the advancing hand is detected, the large light symbol flashes and the flushing subsequently takes place. In addition, flushing also functions depending on the setting of the Dip switch 1 (full or semi-automatic function).

Cleaning Stop function DIP switch 6 ON

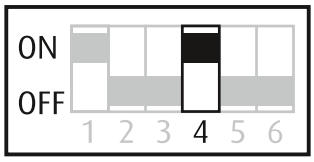
In order to prevent the actuation of flushing when cleaning the glass front panel, the cleaning Stop is activated. First, hold the hand in front of the infrared sensor at a distance of approx. 3 cm. Simultaneously, press the large pulsating light symbol. The cleaning Stop is now activated for 10 min. and both light symbols pulsate quickly. To prematurely end the function, move out of the active area and wait for 1 min. If the minute has not expired and the active area is entered, the minute begins again.

Connection of an external button:

There is the option to actuate the large and small flush volume from external buttons connected. By pressing the button, the flush is actuated. If the button is pressed for a longer period, flushing is carried out for this period. If the button is pressed to actuate the large flush volume, this can be cancelled by again pressing the button.

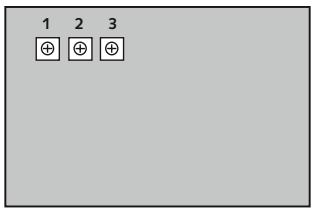
Setting the flush volume:

The dual flush technology provides the option to actuate a large and a small flush volume.



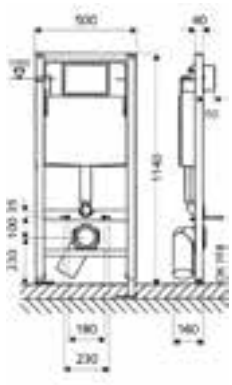
Functions of the DIP switch
DIP 2 ON: Intermediate flushing
DIP 3 ON: Hygienic flush
DIP 4 ON: 2 l
DIP 4 OFF: 3 l

Large flush volume
The large flush volume is set at the flush volume regulator, on the electronic panel.



2 Flush volume regulator
6 l preset
2 - 11 l adjustable

SCHELL cistern mounting module



SCHELL cistern mounting module

Features

Mounting module for free-standing or wall-mounting installation; self-supporting sectional steel frame (powder-coated surface) with height-adjustable, structure-borne noise insulated zinc-dipped feet with preassembled concealed cistern; actuation of the dual flush/Start-Stop flushing is carried out on the SCHELL WC control panels/SCHELL WC electronic concealed cistern.

Technical specifications	
Factory setting	6 and 3 l
Small flush volume	3/4 l
Large flush volume	6/7.5 l, adjustable
Connection	Rp 1/2 IG

Item No.	**03 250 00 99**

Scope of delivery

- Concealed WC cistern SLK, actuation from the front
- Attachment material for mounting feet and post-and-beam structure
- Height adjustment of mounting feet from 0 - 200 mm
- Fitting connection R 1/2 AG, at the rear
- SCHELL regulating angle valve, noise class I
- Flush pipe Ø 40 mm, with construction plug
- HDPE drain elbow Ø 90 / 90 mm
- Adapter Ø 90 / 110 mm, with construction plug
- WC connecting fitting Ø 90 / 110 mm
- WC attachment M 12 x 180 mm, with protective hose, nuts and cover caps

Accessories

- **For wall-mounting installation, wall mounting set, Item No. 03 258 00 99**

For in-line mounting:

- **Attachment rail, Item No. 03 270 00 99**
- **Quick lock, Item No. 03 265 00 99 or**
- **Spring T-nut, Item No. 03 043 00 99**
- **Universal attachment screws, Item No. 03 268 00 99**
- **Wall stand, height 1140 mm, Item No. 03 269 00 99**
- **WC noise protection mat, Item No. 03 001 00 99**

SCHELL cistern mounting module barrier-free

Features

Mounting module for free-standing or wall-mounting installation; self-supporting sectional steel frame with height-adjustable, structure-borne noise insulated feet; powder-coated surface; With preassembled concealed cistern

Actuation of the dual flush / Start-Stop flushing is carried out on the SCHELL WC control panels / SCHELL WC electronic concealed cistern

Technical specifications	
Factory setting	6 and 3 l
Small flush volume	3/4 l, adjustable
Large flush volume	6/7.5 l, adjustable
Connection	Rp 1/2 IG
Dimension	DN 15 R 1/2 AG, VE 03 051 00 99

Item No.	**03 252 00 99**

Scope of delivery

- Concealed WC cistern SLK, actuation from the front
- Attachment material for mounting feet and post-and-beam structure
- Height adjustment of mounting feet 0 – 200 m
- Fitting connection R 1/2 AG, at the rear/top
- SCHELL regulating angle valve, noise class I
- Flush pipe Ø 45 mm, with construction plug
- HDPE drain elbow Ø 90 / 90 mm, with construction plug
- Adapter Ø 90 / 110 mm
- WC connection fitting Ø 90 / 110 mm
- WC attachment M12 x 180 mm, with protective hose, nut and cover caps
- Strain relief kit

Accessories

- **WC mounting feet, wet construction, Item No. 03 259 00 99**

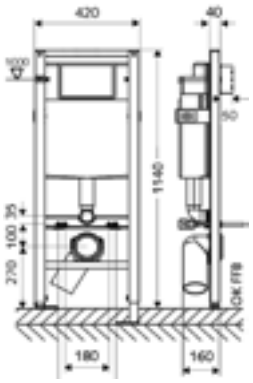
For in-line mounting:

- **Attachment rail, Item No. 03 270 00 99**
- **Quick lock, Item No. 03 265 00 99 or**
- **Spring T-nut, Item No. 03 043 00 99**
- **Universal attachment screws, Item No. 03 268 00 99**
- **Wall stand, height 1140 mm, Item No. 03 269 00 99**
- **WC noise protection mat, Item No. 03 001 00 99**

Installation instruction:

Possible combination with bearing loads mounting module Item No. 03 253 00 99 for attaching support flap handles

SCHELL cistern mounting module barrier-free



SCHELL cistern mounting module wet construction

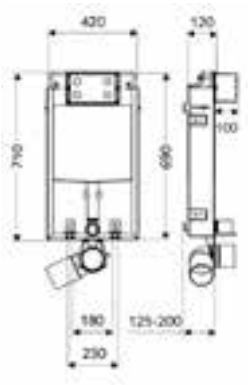
SCHELL cistern mounting module, wet construction

Features

U-shape, non self-supporting mounting frame made from galvanised sheet steel to expand, underpin and convert; actuation is carried out on the SCHELL WC control panels/SCHELL WC electronic concealed cistern.

Technical specifications	
Factory setting	6 and 3 l
Small flush volume	3/4 l
Large flush volume	6/7.5 l, adjustable
Connection	Rp 1/2 IG

Item No.	**03 252 00 99**



Scope of delivery

- Concealed WC cistern SLK, actuation from the front
- Attachment material for wall mounting
- Fitting connection R 1/2 AG, at the rear
- SCHELL regulating angle valve, noise class I
- Flush pipe Ø 40 mm, with construction plug
- HDPE drain elbow Ø 90 / 110 mm, with construction plug
- WC connecting fitting Ø 90 / 110 mm cover caps
- WC attachment M 12 x 150 mm, with protective hose, nuts and cover caps

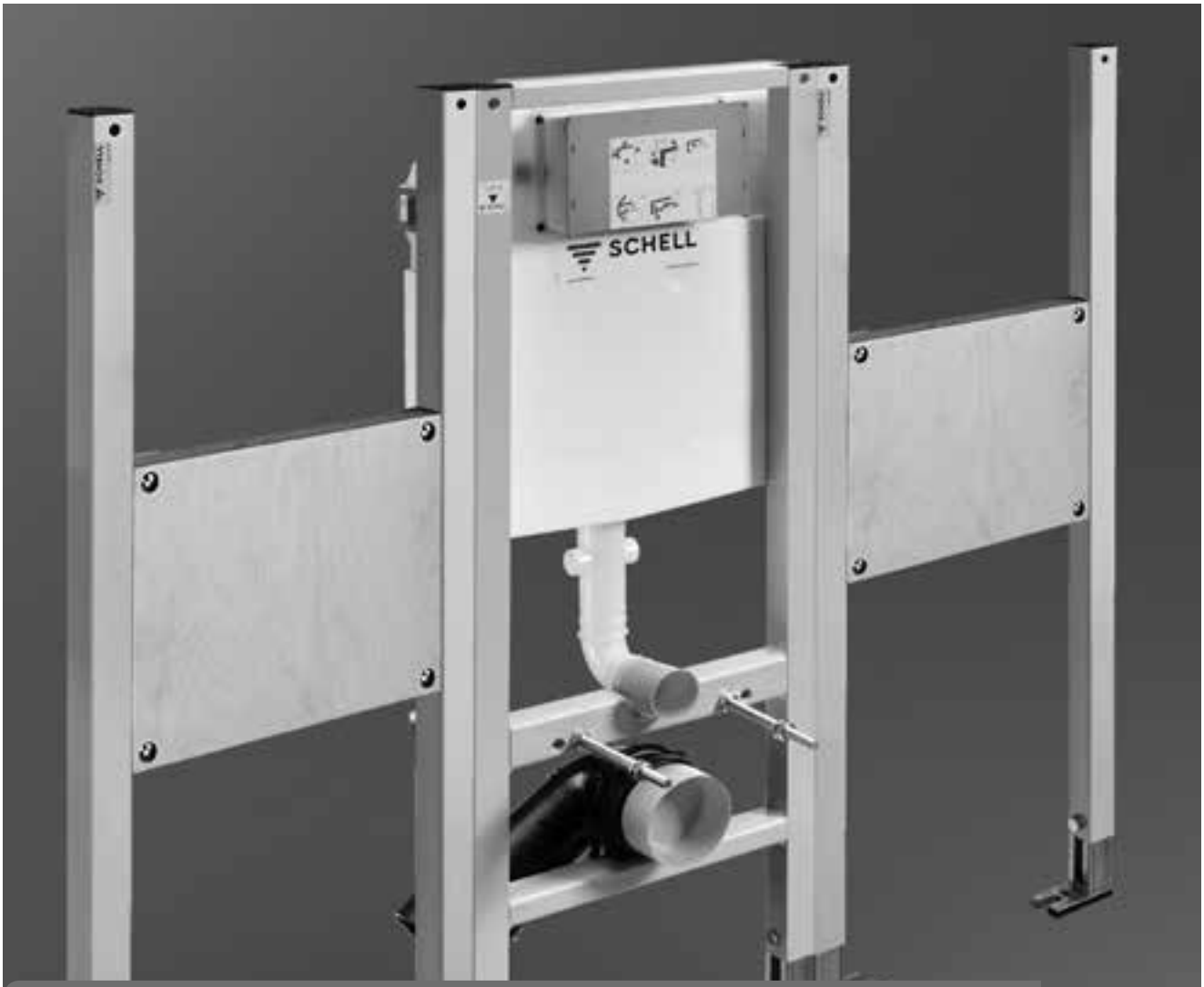
Accessories

- **WC mounting feet, wet construction, Item No. 03 259 00 99**

For in-line mounting:

- **Attachment rail, Item No. 03 270 00 99**
- **Quick lock, Item No. 03 265 00 99 or**
- **Spring T-nut, Item No. 03 043 00 99**
- **Universal attachment screws, Item No. 03 268 00 99**
- **Wall stand, height 1140 mm, Item No. 03 269 00 99**
- **WC noise protection mat, Item No. 03 001 00 99**

SCHELL mounting feet, wet construction, Item No. 03 259 00 99



CISTERN MOUNTING MODULE, BARRIER-FREE

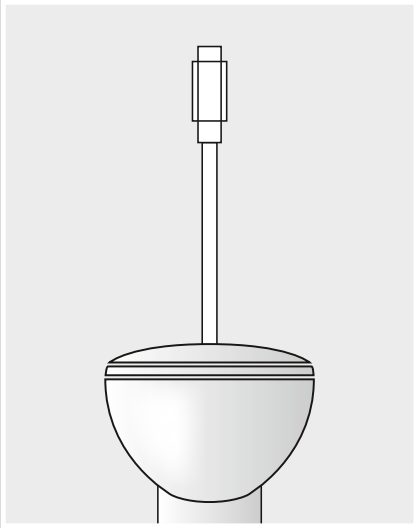
Wide range of functions and designs

A special WC mounting module was developed for this application with a construction width of 420 mm, which, in combined with two load-bearing mounting module will »cope with« the loads that WC grip handles (Hewi, Keuco, Erlau ...) are subjected to .

The narrow construction width of the WC module (420 mm) is also advantageous for confined locations. The WC fixtures are 370 mm high off the top of the prefab floor. By rotating the laminated wood panel by 90 °, you can further minimise the construction width of the load-bearing module from 500 mm to 390 mm.

Mounting example:
Cistern mounting module with two load-bearing installation modules

Wall-mounted solutions for WC flush systems.
By SCHELL.



Perfect refurbishment solution
Whenever WC systems have to be refurbished and existing wall-mounted installations are to be used, flush valves made by SCHELL have proven to be ideal.

Always ready to flush
Advantage of every SCHELL wall-mounted WC flush valve: always ready to flush. This pays off in sanitary rooms with a high user frequency. For example in stadia, stations or schools.

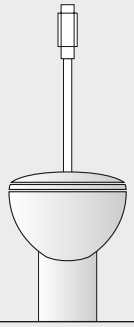
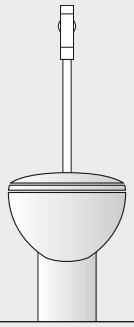
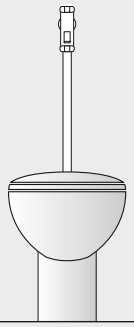
Reliable cartridge technology
The self-closing SC cartridge is integrated in wall-mounted WC flush valves made by SCHELL. It is made of a corrosion-resistant polymer and ensure reliable operation. To prevent blockages arising in the nozzle orifice, the cartridge features an automatic nozzle cleaning pin which is active with every flush. A filter provides additional protection against contamination.

Robust materials
It's not for nothing that our fittings have an all-metal casing: They must withstand a considerable amount during every-day use.

Award-winning design
The decision-making process is simplified when something also actually looks good – such as the multi-award winning SCHELLOMAT EDITION developed by the renowned sieger design studio.

Simple installation
A good refurbishment solution can only be successful if it is easy and quick to install. And that goes without saying for the wall-mounted WC flush valves by SCHELL.

Easier servicing
The cartridge is not the only service part of the SCHELLOMAT, but can be easily accessed from the front and can be maintained at a comfortable height.

	WC Flush systemS: *Wall-mounted solutions*		
Your wish	A water-saving, quiet and easy-to-fit refurbishment solution	An attractive solution for the inexpensive refurbishment	A simple, cost-effective and quick modernisation solution
The solution by SCHELL	· SCHELLOMAT EDITION · SCHELLOMAT EDITION ECO	· SCHELLOMAT BASIC · SCHELLOMAT SILENT ECO · SCHELLOMAT BASIC ND	· SCHELLOMAT
Principle			
Function	Manual actuation of the pushbutton	Manual actuation of the pushbutton	Manual actuation of the lever
Technology	*Hydraulic cartridge self-closing*	*Hydraulic cartridge self-closing*	*Hydraulic cartridge self-closing*
Special features	· Dual flush · 3 l economy button · Adjustable 4.5 - 9.0 l · Noise class I · Excellent design	· Noise class I (SCHELLOMAT SILENT ECO) · Noise class II (SCHELLOMAT BASIC) · 3 l economy button · Adjustable 4.5 - 9.0 l	· Simple and robust technology · High price/ performance ratio · Flush volume 6 l
Control unit	SC cartridge	SC cartridge	SC cartridge

Wall-mounted WC flush fittings SCHELLOMAT

Highlights:
- High operational reliability with a non-corrosive plastic cartridge
- High flushing performance with flush rate regulation
- Flush fitting conforms to DIN EN 12451
- Main flush volume adjustable 4.5 - 9.0 l
- Economy button: 3.0 l
- Low pressure 0.4 - 4.0 bar also available

Wall-mounted WC flush fittings can still be found in many sanitary rooms used by the public. When it comes to modifying these to the state-of-the-art, there is no avoiding the product range from SCHELLOMAT. Because it offers a large selection of practical solutions.

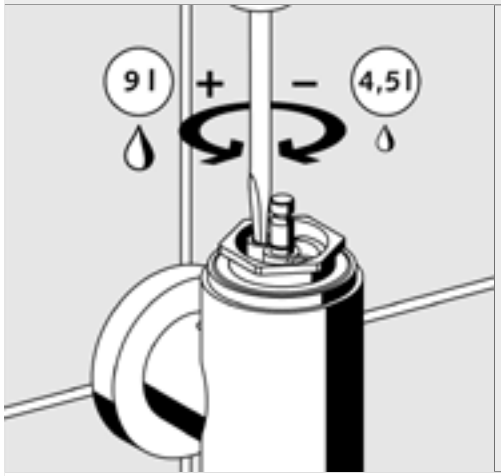
Excellent: SCHELLOMAT EDITION/SCHELLOMAT EDITION ECO
Awarded numerous prizes for design, the series SCHELLOMAT EDITION and SCHELLOMAT EDITION ECO with economy button, created by sieger design Here, ingenious technology meets consequent design language.

Timeless: SCHELLOMAT BASIC/SCHELLOMAT SILENT ECO
Timeless in the artistic form and reliable in operation – that is how SCHELLOMAT BASIC presents itself. Practical adaptation of the flush volume makes the version SCHELLOMAT SILENT ECO with economy button a water-saving 3 litre flush system. In addition, it operates particularly quiet, due to the special cartridge technology (only SILENT ECO).

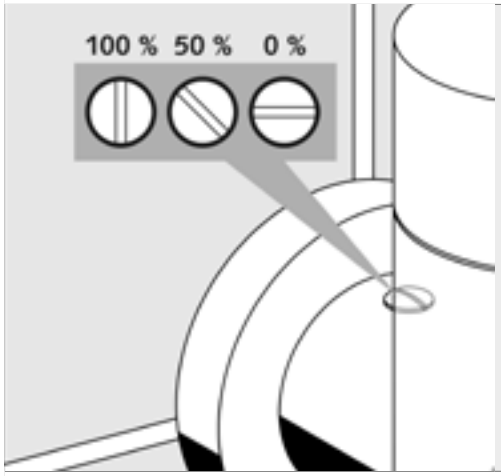
Classical: SCHELLOMAT with lever
For decades, the classic in the SCHELL range: the SCHELLOMAT with lever. Even today, on numerous occasions the first choice when a quick and low cost replacement of existing WC fittings is required.

Technical Details

Settings



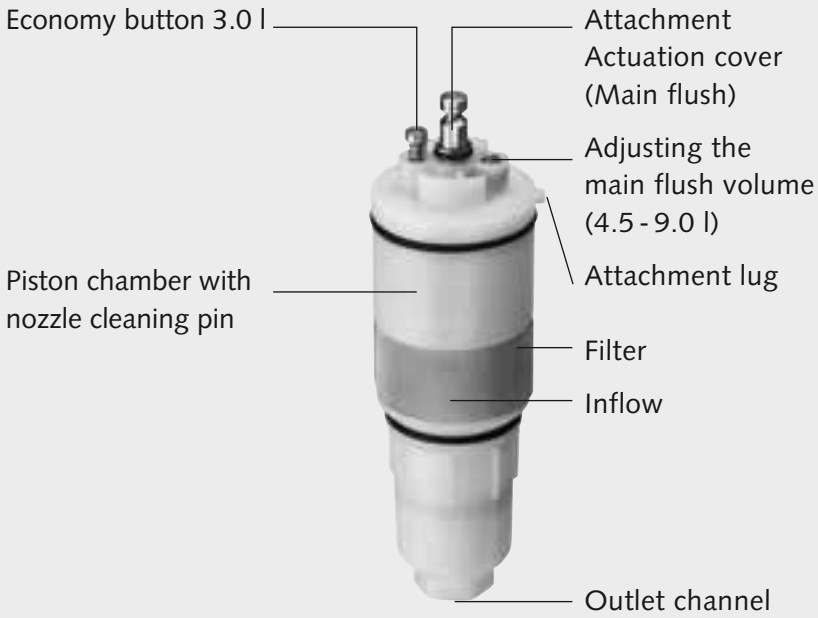
After removing the actuation cover, the flush volume can be easily adjusted using a screwdriver.



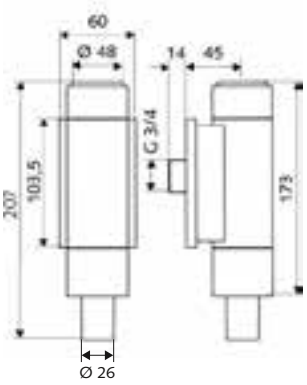
For the flush systems with **an isolating valve, the flush flow can be** adjusted corresponding to the structural requirements.

Innovative cartridge technology

SCHELLOMAT flush fittings are convincing with reliable cartridge technology and provide high operating reliability. The significant components comprise of corrosion resistant plastic or are galvanized to protect against corrosion.



SCHELLOMAT EDITION



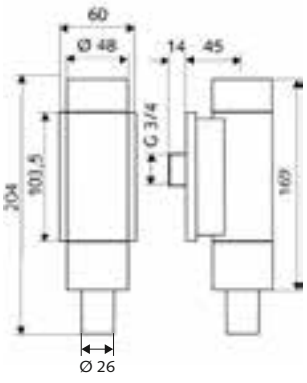
Design WC flush system SCHELLOMAT EDITION

Features
- Low-noise operation with wall connection cover
- All components polished brass with pushbutton for a flush volume incl. integrated shut-off valve for servicing
- High operating reliability due to plastic cartridge and automatic nozzle cleaning pin (self-cleaning)
- Flush system conforms to DIN EN 12541
- sieger design

Technical specifications	
Flush rate	1.0 - 1.3 l/s
Flow pressure	1.2 - 5.0 bar
Main flush volume	4.5 - 9.0 l (adjustable)
Economy button	–
Flush pipe connection	Ø 26 mm
Noise class	I
Test mark	PA-IX 9902/I, DIN-DVGW certified
Dimension	DN 20 G 3/4 AG
Material	All visible components made from brass DIN EN chrome-plated, functional parts cartridge plastic

SCHELLOMAT EDITION	**Item No. 02 245 06 99**

SCHELLOMAT EDITION ECO



Design WC flush system SCHELLOMAT EDITION ECO

Features
- With economy button
- Low-noise operation with wall connection cover
- All components polished brass with pushbutton for 2 flush volumes incl. integrated shut-off valve for servicing
- High operating reliability due to plastic cartridge and automatic nozzle cleaning pin (self-cleaning)
- Flush system conforms to DIN EN 12541

Technical specifications	
Flush rate	1.0 - 1.3 l/s
Flow pressure	1.2 - 5.0 bar
Main flush volume	4.5 - 9.0 l (adjustable)
Economy button	3 l
Flush pipe connection	Ø 26 mm
Noise class	I
Test mark	PA-IX 9902/I, DIN-DVGW certified
Dimension	DN 20 G 3/4 AG
Material	All visible components made from brass DIN EN chrome-plated, functional parts cartridge plastic

SCHELLOMAT EDITION ECO	**Item No. 02 246 06 99**

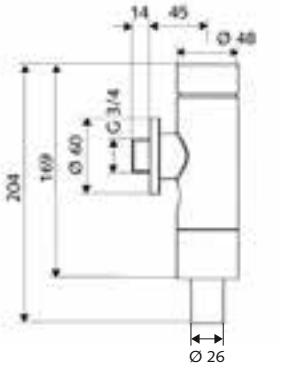
WC flush system SCHELLOMAT BASIC

Features
- Robust, all-metal flush system with brass pushbutton for a flush volume
- High operating reliability due to plastic cartridge and automatic nozzle cleaning pin (self-cleaning)
- Flush system conforms to DIN EN 12541

Technical specifications	
Flush rate	1.0 - 1.3 l/s
Flow pressure	1.2 - 5.0 bar
Main flush volume	4.5 - 9.0 l (adjustable)
Flush pipe connection	Ø 26 mm
Noise class	II
Test mark	PA-IX 9901/II, DIN-DVGW certified
Dimension	DN 20 G 3/4 AG
Material	All visible components made from brass DIN EN chrome-plated, functional parts cartridge plastic

Design	Item No.
SCHELLOMAT BASIC	**02 247 06 99**
SCHELLOMAT BASIC SV with integrated shut-off valve for servicing	**02 248 06 99**

SCHELLOMAT BASIC



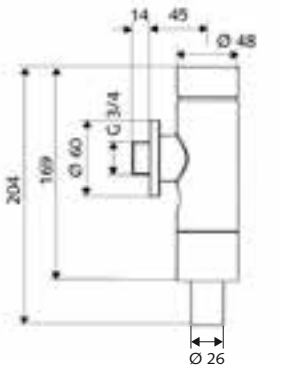
WC flush system SCHELLOMAT SILENT ECO

Features
- Robust all-metal flush system with brass pushbutton for 2 flush volumes (main and economy flush volume)
- High operating reliability due to plastic cartridge and automatic nozzle cleaning pin (self-cleaning), flush system conforms to DIN EN 12541

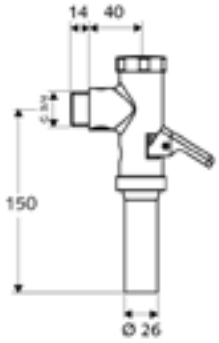
Technical specifications	
Flush rate	1.0 - 1.3 l/s
Flow pressure	1.2 - 5.0 bar
Main flush volume	4.5 - 9.0 l (adjustable)
Economy button	3 l
Flush pipe connection	Ø 26 mm
Noise class	I
Test mark	PA-IX 9902/I, DIN-DVGW certified
Dimension	DN 20 G 3/4 AG
Material	All visible components made from brass DIN EN chrome-plated, functional parts cartridge plastic

Design	Item No.
SCHELLOMAT SILENT ECO	**02 249 06 99**
SCHELLOMAT SILENT ECO SV with integrated shut-off valve for servicing	**02 250 06 99**

SCHELLOMAT SILENT ECO



SCHELLOMAT with lever



WC flush system SCHELLOMAT with lever

Features
- With lever made from brass
- For flush-out and wash-down bowls
- Robust all-metal construction
- Plastic piston with automatic nozzle cleaning pin for trouble-free operation (also refer to Notes below)
- Robust and reliable, sturdy brass casing

Technical Data	
Flow pressure	From 1.2 - 5 bar
Flush volume	6 l
Flush-flow regulation	60 - 100%
Flush pipe connection	Ø 26 mm
Test mark	DIN-DVGW certified
Dimension	different depending on design
Material	Flush system casing made from brass DIN EN

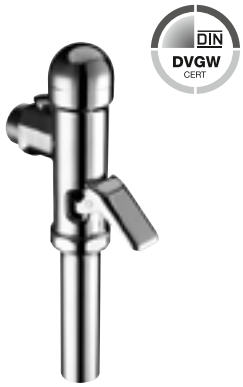
Design	Item No.
SCHELLOMAT with lever • Flow rate: 1.0 - 1.3 l/s • Cartridge made from plastic with nozzle cleaning pin • with Belgaqua test mark • Dimension: DN 20 G 3/4 AG	**02 202 06 99**
SCHELLOMAT with lever • Flow rate: 1.0 - 1.3 l/s • Cartridge with brass piston • Dimension: DN 20 G 3/4 AG	**02 238 06 99**
SCHELLOMAT with lever • Flow rate: 0.7 - 1.0 l/s • Cartridge made from plastic with nozzle cleaning pin • Dimension: DN 15 G 1/2 AG	**02 216 06 99**

Note

- Fittings with plastic piston can also be used for installations where fatty substances can be expected in the water.

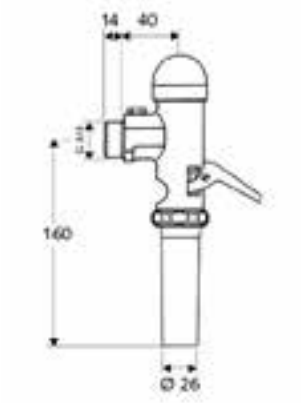
WC flush fitting SCHELLOMAT with lever

Features
- Large flush-water volume (6 - 14 l), variably adjustable
- With lever made from brass
- With flush rate regulation
- For flush-out and wash-down bowls
- Robust all-metal construction
- Plastic piston with automatic nozzle cleaning pin for trouble-free operation (also refer to Notes below)
- Robust and reliable, sturdy brass casing



SCHELLOMAT with lever

Technical specifications	
Flow pressure	From 1.2 bar
Flush rate	1.0 - 1.3 l/s
Flush volume	6-14 l
Flush-flow regulation	60 - 100%
Flush pipe connection	Ø 26 mm
Dimension	DN 20 G 3/4 AG
Material	All visible components and functional parts brass DIN EN
Item No.	**02 204 06 99**



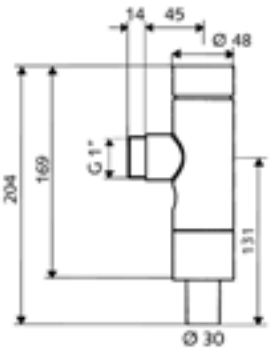
WC flush system SCHELLOMAT BASIC for low pressure

Features
- Robust, all-metal flush system with brass pushbutton for a flush volume
- High operational reliability due to a plastic cartridge. High flushing performance with flush rate regulation
- Flush fitting conforms to DIN EN 12451

Well suitable for WC installations that are supplied from storage tanks on the roof, raised cisterns or supply systems with a flow pressure of 0.4 - 4.0 bar. The flush flow can be adjusted according to the structural requirements by an adjustment screw accessed from the outside.

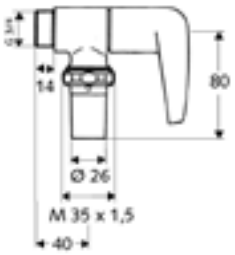
SCHELLOMAT BASIC for low pressure

Technical specifications	
Flow pressure	0.4 - 4 bar
Flush volume	8 - 14 l (adjustable)
Flush rate	1.0 - 1.4 l/s
Flush pipe connection	Ø 32 mm
Dimension	DN 25 G 1 AG
Material	All visible components brass DIN EN, functional parts cartridge plastic
Item No.	**02 252 06 99**



Note
- Fittings with plastic piston can also be used for installations where fatty substances can be expected in the water.

Wall-mounted WC flush systems
Flush valves and accessories



SCHELL WC flushing valve SCHELLOMAT

Features
- With lever upper part, DN 20
- 90° actuation

Technical specifications	
Dimension	DN 20 G 3/4 AG
Material	Casing and upper part made from brass, lever made from die-cast zinc.

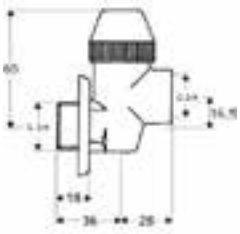
Item No. 02 702 06 99

SCHELL WC flushing valve SCHELLOMAT

Features
- With triangular handle DN 20
- Rotary actuation

Technical specifications	
Dimension	DN 20 G 3/4 AG
Material	Casing, upper part and triangular handle made from brass

Item No. 02 703 06 99



WC isolating valve

Field of application/Technical Data
- For mounting downstream of the WC flush fitting
- Shut-off function concealed
- With adjustable threaded rosette

Material: Brass
Dimensions: DN 20 G 3/4 AG

Item No. 02 604 06 99

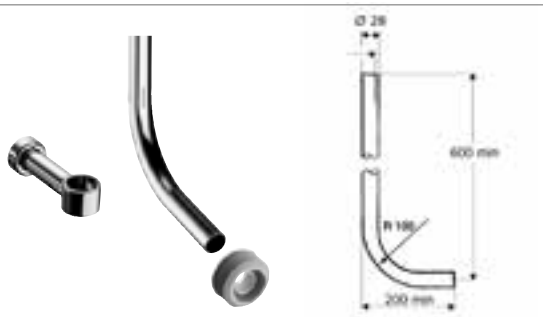
SCHELL

WC flush pipe set

Scope of delivery:
- Flush pipe in accordance with DIN 3267
- WC inner connector Ø 55 mm
- Flush pipe clamp with attachment material

Material:
Flush pipe made from brass

Item No. 03 209 06 99

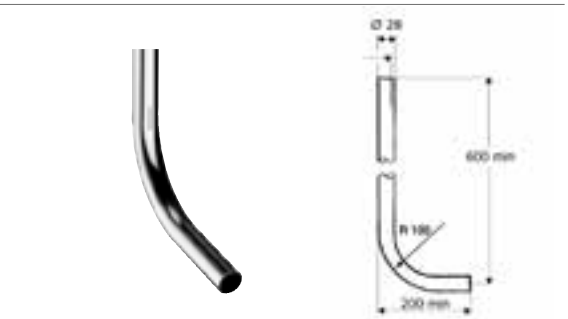


WC flush pipe

Field of application/Technical Data
- Flush pipe in accordance with DIN 3267
- 600 x 200 mm
- Ø 28 x 26 mm

Material:
Brass

Item No. 03 100 06 99



WC flush pipe clamp

Field of application/Technical Data
- For secure attachment of the flush pipe to the wall.
- Flush pipe clamp with attachment material

Material:
ABS

Item No. 03 203 06 99

WC inner connector

Ø 55 mm

Material:
Rubber

Item No. 77 101 00 99

Overview of urinal flush systems:

Concealed solutions (flush systems and controls)

Urinal flush fitting
COMPACT II
Page 64

Manual control
EDITION/AMBITION
Page 68

Infrared control
EDITION E/AMBITION E
Page 70

Siphon-sensor control
COMPACT LC
Page 74

Wall-mounted solutions

Manual control
SCHELLOMAT
Page 84

Infrared control
SCHELLTRONIC
Page 90

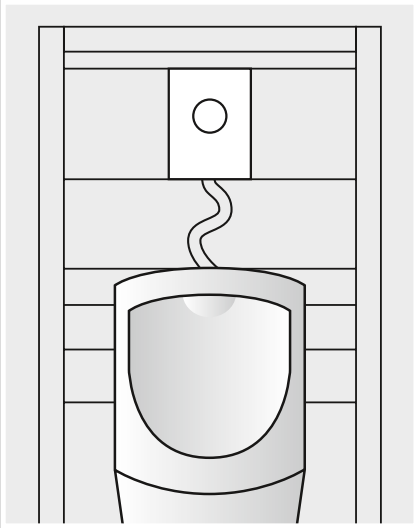
Accessories

Outer connector
Page 95

Flush pipe
Page 95

Spray head
Page 95

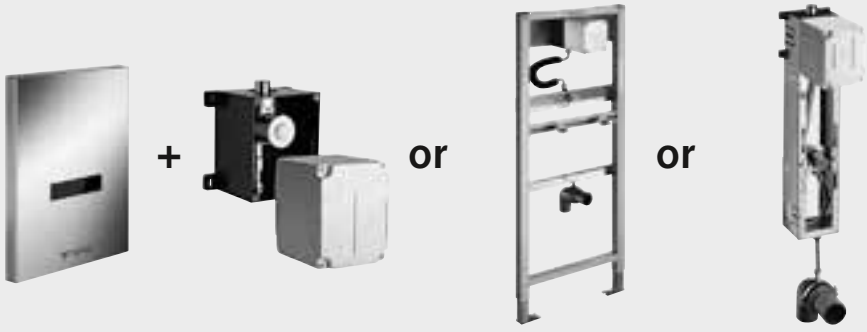
Concealed solutions for urinal flush systems. By SCHELL.



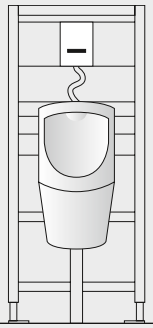
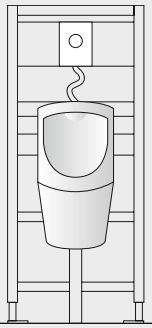
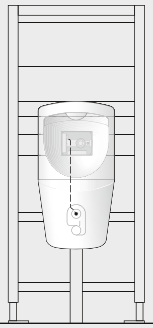
Hygiene with system
SCHELL provides a complete, concealed urinal flush system for public or semi-public sanitary rooms. Thereby, the core is the concealed flush fitting COMPACT II.

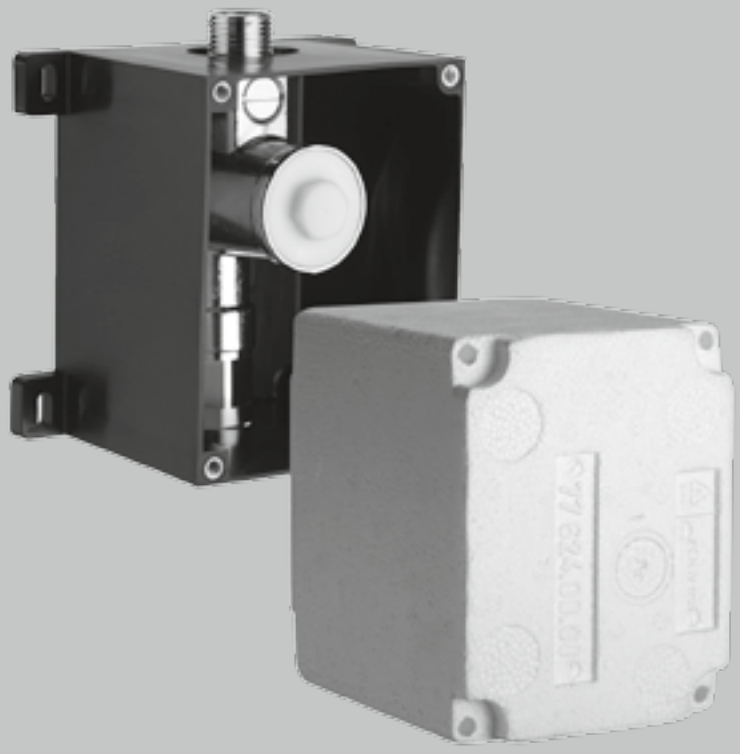
Matching this, SCHELL provides a wide range of attractive front panels with different technologies. From manual actuation up to infrared or siphon sensors (LC). The system is rounded off with matching and partially preassembled mounting modules and accessories that significantly make installation easier.

WC concealed flush system COMPACT II



= Example of a perfect urinal flush system by SCHELL

	URINAL FLUSH SYSTEMS: *Concealed solutions*		
Your wish	A proven solution, contact-free with short reaction times.	A reliable and inexpensive solution, which does not require an external energy source.	A universal solution for high standards of hygiene, economic water usage and protection against vandalism.
The solution by SCHELL:	· AMBITION E · EDITION E	· AMBITION · EDITION	· COMPACT LC
Principle			
Function	Actuated by exiting the sensor range	Manual operation	Actuated by movement and temperature change in the urinal siphon
Technology	*Infrared sensor*	*Pushbutton*	*LC siphon-sensor*
Special features	· Stagnation flush · Stadium operation	· No external power source required · convertible to battery-operated infrared technology	· Stagnation flush · Stadium operation · Overflow protection · Diagnosis via reed contact
Control unit	Cartridge solenoid valve	SC cartridge	Cartridge solenoid valve
COMPACT II concealed WC flush valve	Yes	Yes	Yes
Mounting module Dry construction	Yes	Yes	Yes
Mounting module Wet construction	Yes	Yes	No



Concealed urinal flush fitting COMPACT II

Highlights:
- One roughing-in set for many applications
- Very small front panel
- Shallow installation depth
- Diagnostic lights
- Water path made from brass
- Isolating valve
- Always ready to flush
- Easy servicing from the front

Durable and easy to install

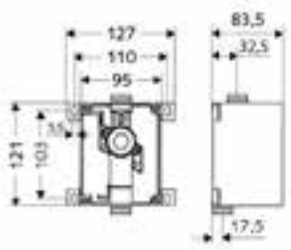
The compact concealed flush system is the technical core of all concealed urinals by SCHELL. The robust, solid brass construction of the water path provides a long service life. The concealed flush system COMPACT II presents the option to install different control systems (mechanical, electronic) using only one roughing-in set. Trouble-free retrofitting of a mechanical control panel for infrared battery control is possible.

SCHELL concealed urinal flush valve COMPACT II

Features
- Roughing-in set for mechanical and electronic actuation
- Low-noise concealed flush system with internal isolating valve for mounting the SCHELL urinal actuation or urinal controls
- Flush system conforms to DIN EN 12541

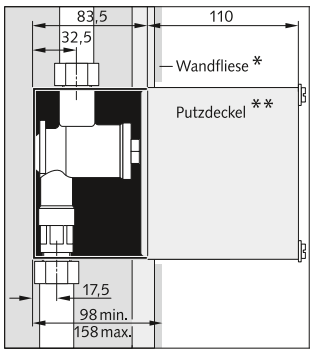
Roughing-in set COMPACT II

Technical Data	
Flush rate	0.3 l/s
Flow pressure	0.8 - 5 bar
Test mark	PA-IX 18779/I, DIN-DVGW certified in conjunction with finishing sets
Dimension	DN 15 G 1/2 AG
Material	Water path made from brass DIN EN



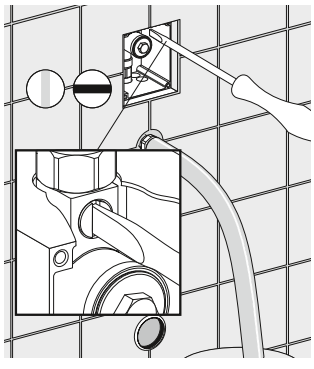
Scope of delivery

- Plastic roughing-in casing
- Preassembled brass water path with isolating valve
- Plug seal
- Protective cover with attachment



Installation depth
The casing, at 83.5 mm, is very flat and must be installed flush with the brickwork. The distance to the forward edge of the tiles must be a minimum of 98 mm.

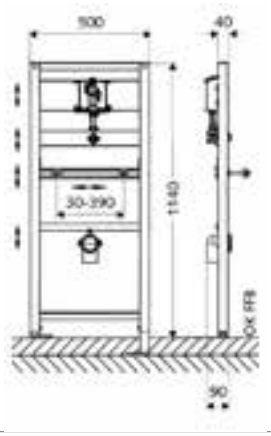
Item No.	01 193 00 99	
Accessories		
Urinal control panel EDITION	02 800 06 99 c)	02 800 15 99 a)
	02 801 28 99 e)	
Urinal control panel AMBITION	02 822 00 99 s)	02 823 00 99 w)
Urinal controls EDITION E	02 806 06 99 c)	02 806 15 99 a)
	02 807 28 99 e)	02 808 06 99 c)
	02 808 15 99 a)	02 809 28 99 e)
Urinal controls AMBITION E	01 256 00 99 s)	01 257 00 99 w)
	01 258 00 99 s)	01 259 00 99 w)
Urinal controls COMPACT LC	01 197 00 99	01 196 00 99
Urinal controls COMPACT HF	01 165 00 99	01 166 00 99
Urinal front cover EDITION HF/LC	23 080 28 99 e)	



Flush plug
The preassembled flush plug makes flushing of the pipelines easier after rough mounting has been carried out. The mechanical cartridge and the cartridge solenoid valve are enclosed with the finishing set.

a alpine white, **c** chrome, **e** Stainless steel, **s** black, **w** white

Urinal mounting module COMPACT II



SCHELL COMPACT II urinal mounting module

Features
- Mounting module for free-standing or wall-mounting installation
- Self-supporting sectional steel frame structure with height adjustable structure-borne noise insulated feet
- Powder-coated surface
- Actuation is by SCHELL roughing-in sets
- Flush system conforms to DIN EN 12541

Technical Data	
Flush rate	0.3 l/s
Flow pressure	0.8 - 5 bar
Noise class	II
Test mark	Refer to finishing set
Dimension	DN 15 G 1/2 AG water inflow
Material	Water path made from brass DIN EN

Scope of delivery
- Urinal roughing-in kit COMPACT II in the plastic casing with protective cover, water path with isolating valve
- Attachment material for mounting feet and post-and-beam structures
- Height adjustment of mounting feet 0 - 200 mm
- Noise insulated urinal connection G 1/2 IG made from dezincing resistant brass, connection from above
- Urinal attachment M 8 x 110 mm, with protective hose, nut and cover caps
- Drain elbow Ø 50 mm, with construction plug

Item No.	**03 282 00 99**

Accessories	
Wall mounting set	03 258 00 99
Urinal control panels EDITION	02 800 06 99 c), 02 800 15 99 a), 02 801 28 99 e)
Urinal controls EDITION E	02 806 06 99 c), 02 806 15 99 a), 02 807 28 99 e)
	02 808 06 99 c), 02 808 15 99 a), 02 809 28 99 e)
Urinal control panels AMBITION	02 822 00 99 s), 02 823 00 99 w)
Urinal controls COMPACT HF	01 165 00 99, 01 166 00 99
Urinal controls AMBITION E	01 256 00 99 s), 01 257 00 99 w)
	01 258 00 99 s), 01 259 00 99 w)
Urinal controls COMPACT LC	01 196 00 99, 01 197 00 99

a alpine white, **c** chrome, **e** Stainless steel, **s** black, **w** white

Accessories for in-line mounting:
- Attachment rail **Item No. 03 270 00 99**
- Quick lock **Item No. 03 265 00 99**
- Spring T-nut **Item No. 03 043 00 99**
- Universal attachment screws **Item No. 03 268 00 99**
- Wall stand, height 1140 mm **Item No. 03 269 00 99**

SCHELL urinal mounting module COMPACT II wet construction

Features
- U-shape, non self-supporting mounting frame made from galvanised sheet steel for underpinning, walling in and mounting slots
- Actuation is by SCHELL roughing-in sets
- Flush system conforms to DIN EN 12541

Technical Data	
Flush rate	0.3 l/s
Flow pressure	0.8 - 5 bar
Noise class	II
Test mark	Refer to finishing set
Dimension	DN 15 T 1/2 MT x DN 15 T 1/2 FT
Material	Water path made from brass DIN EN

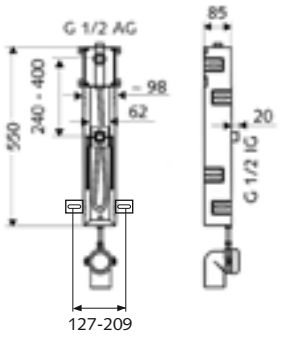
Scope of delivery
- Urinal roughing-in kit COMPACT II with protective cover, water path with isolating valve and plug seal
- Attachment screws with dowel for frame attachment
- Urinal attachment: Hanger bolts M 8 x 140 mm, with dowel, protective hose, nut and cover caps
- Drain elbow Ø 50 mm, with construction plug

Item No.	03 284 00 99

Accessories	
Urinal control panels EDITION	02 800 06 99 c), 02 800 15 99 a), 02 801 28 99 e)
Urinal control panels AMBITION	02 822 00 99 s), 02 823 00 99 w)
Urinal controls EDITION E	02 806 06 99 c), 02 806 15 99 a), 02 807 28 99 e)
	02 808 06 99 c), 02 808 15 99 a), 02 809 28 99 e)
Urinal controls AMBITION E	01 256 00 99 s), 01 257 00 99 w)
	01 258 00 99 s), 01 259 00 99 w)

a alpine white, **c** chrome, **e** Stainless steel, **s** black, **w** white

Urinal mounting module COMPACT II wet construction



Urinal control panels EDITION/AMBITION

Highlights:
- Nozzle cleaning filter
- Flush volume 1 - 6 l (adjustable)
- Front panel brass, glass or stainless steel
- Mechanical cartridge
- Compatible to SCHELL urinal roughing-in kit COMPACT II
- Can be retrofitted to battery-operated infrared control
- Same optics as EDITION/ AMBITION WC control panels

Solid and reliable

The SCHELL urinal control panels EDITION and AMBITION are, in combination with the concealed flush fitting COMPACT II, the urinal mounting module COMPACT II or urinal mounting module COMPACT II wet construction, the solid and reliable solution when modern and the most cost-effective flushing technology is required. The self-locking cartridge included in the scope of delivery made from corrosion-resistant high-grade POM plastic, ensures continuous function and a high level of sealing. A nozzle orifice prefilter is additional protection against contamination.

The flush volume can be set to between 1 and 6 litres (factory setting 2 l). The control panels from EDITION partially consist of resistant plastic or vandal-proof stainless steel. AMBITION is convincing with its high-quality design, made from single-pane safety glass, in black or white as required.

Apropos: Easy conversion to battery-operated infrared control is possible at any time.

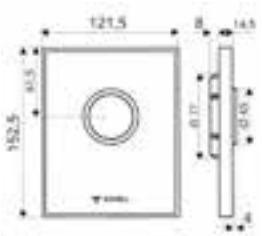
Urinal control panels EDITION/AMBITION for SCHELL concealed urinal flush system COMPACT II

Features

- Urinal control panel including self-closing cartridge
- Material, selection of plastic, glass, stainless steel
- Easy actuation at minimum depth of pressing

Control panel AMBITION

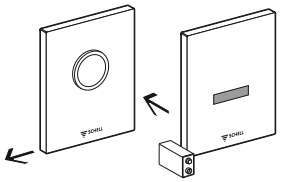
System Technical Data concealed urinal flush fitting COMPACT II with urinal control panel EDITION/AMBITION	
Flush rate	0.3 l/s
Flow pressure	0.8 - 5 bar
Main flush volume	1 - 6 l (adjustable)
Noise class	II
Test mark	PA-IX 18779/I, DIN-DVGW certified
Dimension	DN 15 G 1/2 AG
Installation depth	90 - 158 mm (roughing-in set)



Dimensions of control panel AMBITION

Scope of delivery

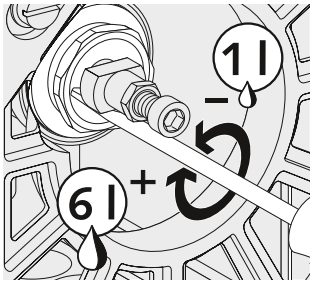
- Control panel with pushbutton
- Mounting frame with attachment material
- Mechanical plastic cartridge with integrated nozzle orifice prefilter



Can be retrofitted
The mechanical cartridge is included in the finishing set. The connection dimensions are identical to those of the cartridge solenoid valve. Thus, subsequently changing to infrared battery mode is possible.

Design	Item No.
EDITION chrome Material: Front panel plastic	02 800 06 99
EDITION alpine white Material: Front panel plastic	02 800 15 99
Vandal-proof design Material: Front panel stainless steel	02 801 28 99
AMBITION black Material: Safety glass (ESG)	01 822 00 99
AMBITION white Material: Safety glass (ESG)	01 823 00 99

Accessories	
COMPACT II concealed WC flush valve	01 193 00 99
COMPACT II urinal mounting module	03 282 00 99
Urinal mounting module COMPACT II wet construction	03 284 00 99



Adjust flush volume
By simply rotating the adjustment screw, the flush volume can be set to between 1 - 6 l (factory setting: 2 l).

Urinal controls EDITION E/AMBITION E

Highlights:
- Hygienic operation
- Reliable infrared control
- 5 small and attractive design front panels (153.5 x 124 mm)
- Either mains or battery operated
- Integrated stagnation flush
- Stadium operation

AMBITION E

For high hygienic requirements
The urinal controls EDITION E/AMBITION E have infrared control that ensures contact-free flushing and, thus, provides maximum hygiene and comfort. They can be installed in combination with the concealed flush fitting COMPACT II, the mounting module COMPACT II and COMPACT II wet construction.

An elegant design and easy to mount and commission, the urinal controls are reliable and a high-quality alternative to mechanical control panels. The standard design has a 230-V mains adapter. The variant with a 9 V block battery operates independent of the mains power. The same electronic module in both variants automatically detects the power supply and accordingly switches to the different programs.

Stadium operation
There where high, momentary visitor intervals occur (e.g. in stadia, event halls etc.) the electronics switch to economy mode. One flush then occurs once every minute – until the frequency of use reduces again.

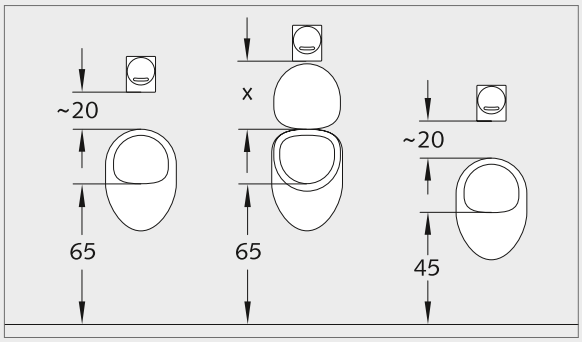
Technical Details

Cartridge solenoid valve
The cartridge solenoid valve with integrated prefilter (Fig. 1) is exceptionally small and operates efficiently. It is installed after the pipelines have been flushed. It is identical for mains mode and battery mode. Supplied by a 9 V block battery, flushing up to 100.000 times is possible.

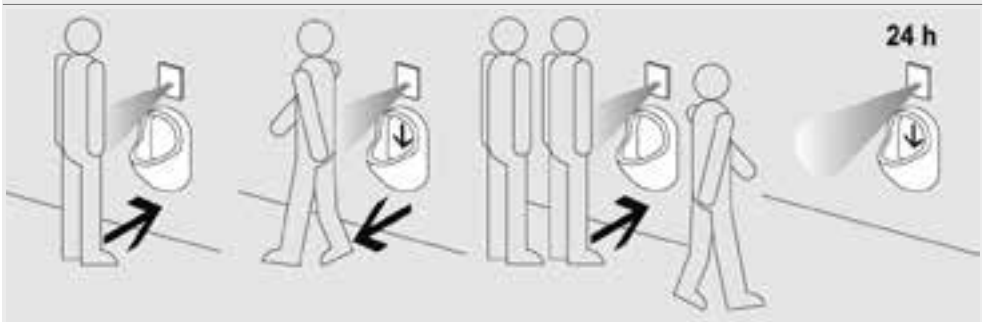
Insert mains adapter
The COMPACT roughing-in kit (Fig. 2) is prepared to accept the 230 V mains adapter. Electrical connection is by the plug supplied, protection class IP65. Thus, the protection range VDE 100 is fulfilled.

Insert battery compartment
The electronic module (Fig. 3) is prepared to accept the battery compartment. After removing the front panel, the 9 V alkaline battery can be easily replaced from the front. Low battery status is indicated by the flashing red LED in the sensor window.

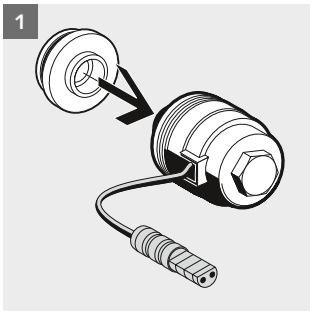
Distances from the wall, mounting heights
The distance from an opposite wall should usually be 1 m (Fig. 4). If infrared controls are also mounted opposite on the front, increase the distance to 1.50 m. For urinals with a cover, the dimensions for standard installation must be amended accordingly. Urinals for young boys are accordingly installed lower.

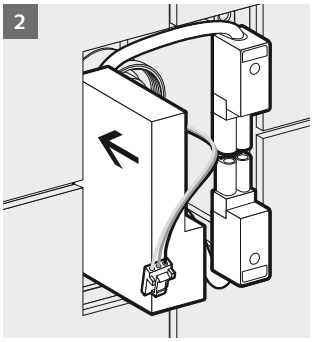


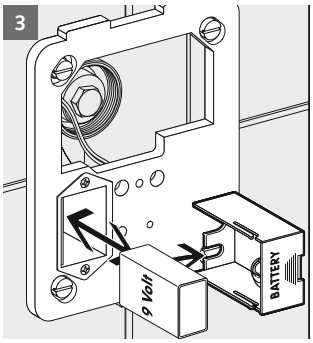
Function
For variants 230 V and 9 V battery, a hygiene/stagnation flush, for the flush time set, is automatically carried out 24 hours after the last flush. For battery variants, the minimum dwell time is increased from 4 s to approx. 7 - 10 s.



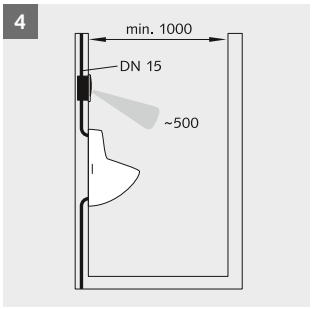
	Minimum time spent	Main flush	Stadium operation	Hygienic flush
230 V	4 s	2 - 10 s	Yes	24 h
9 V	7 - 10 s	2 - 10 s	Yes	24 h

1

Cartridge solenoid valve with adapter

2

Mains adapter

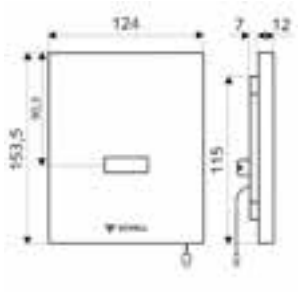
3


Battery compartment

4


Minimum distance to a wall opposite
(Dimensions in mm)

EDITION E



SCHELL urinal control EDITION E

Features of battery operation
- Battery operated 9 V
- Finishing set
- Mains-independent, contact-free flushing facility
- High standard of hygiene for the user

Features in mains mode
- Mains mode 230 V/50 Hz
- Finishing set
- Contact-free infrared flush system
- Power supply 230 V/50 Hz
- High standard of hygiene for the user

System Technical Data urinal control EDITION with concealed urinal flush fitting COMPACT II	
Flush rate	0.3 l/s
Flow pressure	0.8 - 5 bar
Flush time	2 - 15 s (adjustable)
Stagnation flush	every 24 Hrs. after the last flush
Noise class	II
Dimension	DN 15 G 1/2 AG
Material	Front panel made from plastic or stainless steel
Additional function	Stadium operation

Scope of delivery
Mounting frame with electronic module, cartridge solenoid valve with prefilter, Front panel with sensor window, diagnostic lights, distance setting

Design for battery operation
- Battery compartment in mounting frame
- 9 V alkaline battery
- Diode for battery status

Design for mains operation
- 110 - 240 V 50 - 60 Hz/12 V mains adapter with mains plug

Design for battery operation	Item No.
EDITION E chrome Material: Front panel made from plastic	**02 806 06 99**
EDITION E alpine white Material: Front panel made from plastic	**02 806 15 99**
Vandal-proof design Material: Front panel made from stainless steel	**02 807 28 99**

Design for mains operation	Item No.
EDITION E chrome Material: Front panel made from plastic	**02 808 06 99**
EDITION E alpine white Material: Front panel made from plastic	**02 808 15 99**
Vandal-proof design Material: Front panel made from stainless steel	**02 809 28 99**

Accessories roughing-in flush fittings	
COMPACT II concealed WC flush valve	**01 193 00 99**
COMPACT II urinal mounting module	**03 282 00 99**
COMPACT II urinal mounting module Wet construction	**03 284 00 99**

SCHELL urinal control AMBITION E

Features of battery operation	Features in mains mode
• Battery operated 9 V • Finishing set • Mains-independent, contact-free flushing facility • High standard of hygiene for the user	• Mains mode 230 V/50 Hz • Finishing set • Contact-free infrared flush system • Power supply 230 V/50 Hz • High standard of hygiene for the user

AMBITION E

System Technical Data urinal control AMBITION with concealed urinal flush fitting COMPACT II	
Flush rate	0.3 l/s
Flow pressure	0.8 - 5 bar
Flush time	2 - 15 s (adjustable)
Stagnation flush	every 24 Hrs. after the last flush
Noise class	II
Dimension	DN 15 G 1/2 AG
Material	Front panel made from plastic or stainless steel
Additional function	Stadium operation

Scope of delivery
Mounting frame with electronic module, cartridge solenoid valve with prefilter,
Front panel with sensor window, diagnostic lights, distance setting

Design for battery operation	Design for mains operation
• Battery compartment in mounting frame • 9 V alkaline battery • Diode for battery status	• 110 - 240 V 50 - 60 Hz/12 V mains adapter with mains plug

Design for battery operation	Item No.
AMBITION E black Material: Front panel made from glass	**01 256 00 99**
AMBITION E white Material: Front panel made from glass	**01 257 00 99**
Design for mains operation	**Item No.**
AMBITION E black Material: Front panel made from glass	**01 258 00 99**
AMBITION E white Material: Front panel made from glass	**01 259 00 99**

Accessories roughing-in flush fittings	
Concealed flush fitting COMPACT II	**01 193 00 99**
Urinal mounting module COMPACT II	**03 282 00 99**
Urinal mounting module COMPACT II Wet construction	**03 284 00 99**

Urinal control COMPACT LC

Highlights:
- Automatic flushing facility for all urinal bowls, independent of material and shape
- Mains and battery mode
- Odour trap monitoring at a low water level
- Automatic flush stop if siphon is blocked
- Stadium program
- Stagnation flush
- Program adjustment via an external solenoid is optional
- Hybrid program for water-saving

Hygienic and programmable
Due to its invisible sensor technology, the urinal control COMPACT LC for the concealed flush system COMPACT II not only provides contact-free operation, it is also well protected from corrosion and vandalism. The sensor in the siphon is protected by a PE casing. Even deposits do not impair its function. In addition to the standard 2-litre flush, there are two further optional flush programs available. The 1-litre and the hybrid flush for waterless urinals can be programmed via the reed contact (accessories) as required.

Stagnation flush
In order to ensure a regular exchange of water in the line carrying the water, an optional stagnation flush is carried out every 24 hours after the last use (Program 1 or 2).

Stadium operation
There where high, momentary visitor intervals occur – e.g. in stadia, event halls etc. – the electronics switch to economy mode. One flush then occurs once every minute – until the frequency of use reduces again to the value set.

Technical Details

The following flush programs can be selected via the reed contact (accessories):

- **Standard factory setting**
  2-l flush; with 24 h stagnation flush and stadium mode
- **Water economy flush**
  1-l flush; with 24 h stagnation flush and stadium mode
- **Hybrid flush for high frequency of use**
  3-l flush 15 minutes after the first use, for waterless urinals

Cost-saving through hybrid control, example service station
(Operating time 16 Hrs./day, opening time 320 days/year)

$$\text{Hybrid flushing} = \frac{\text{max. 4 flushes}}{\text{Hr.}} \mathrel{\widehat{=}} \frac{\text{64 flushes}}{\text{Day}}$$

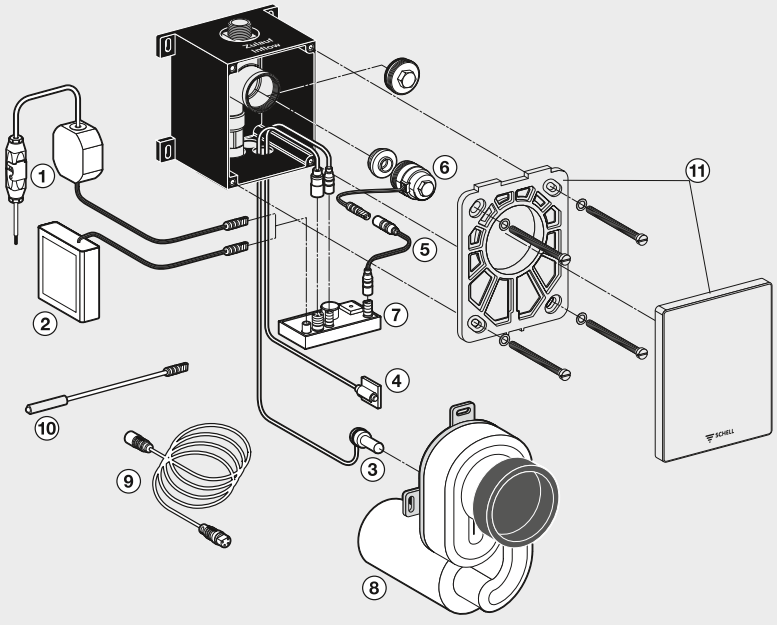
- Max. flushing frequency: 64 flushes/day at 3 l flush volume (independent of the number of users)
- Max. flush volume/year: 61 m³
- Cost of drinking water (5.35 Euro/m³): 328.70 Euro

Comparative costs for normal urinal control with 2-l flush with the same operating time and approx. 10 users/Hr.
Approx. flush volume/year: 102 m³ ≙545.70 €/year

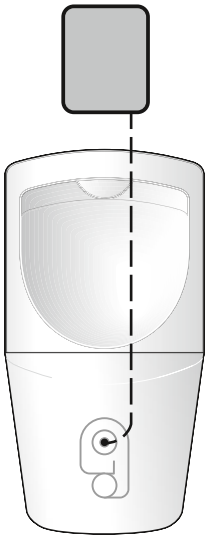
Conclusion: possible saving of approx. 220 €/year

Installation

- The roughing-in set and mounting modules must not be modified.
- Option to mount above and behind the urinal.
- For mounting behind the urinal, all components are in the area not visible.
- For mounting above the urinal, a front cover for the urinal is available.



Mounted behind urinal



Mounting above urinal

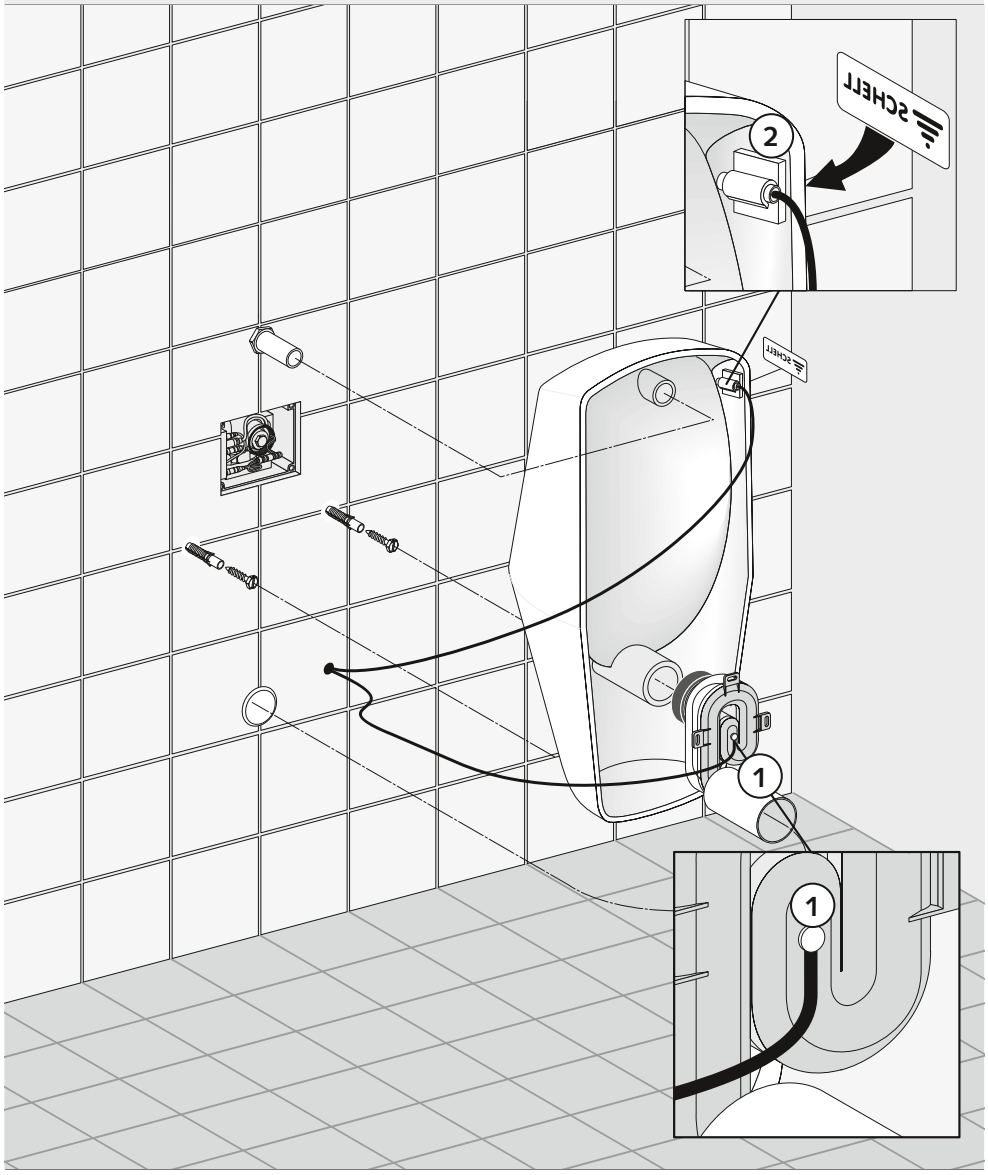
Scope of delivery

1 Mains adapter 100 - 240 V 50 - 60 Hz (to Item No. 01 197 00 99)
2 Battery compartment with 4 x 1.5 V Mignon LR-AA (for Item No. 01 196 00 99)
3 LC sensor
4 Reed contact with magnetic key (accessories)
5 Adapter cable
6 Solenoid valve
7 E-Module
8 Siphon-sensor
9 Extension LC sensor (accessories)
10 Function tester (accessories)
11 Urinal front cover (accessories)

Urinal control COMPACT LC

Installation

1 Siphon with LC sensor is included in the scope of delivery.
2 Reed contact for mounting on the internal part of the ceramics. With actuation mark for programming (accessories)



Program adjustable via reed contact

Servicing program
- Cleaning stop 3 min
- Cleaning flush 10 s
- Interval flush

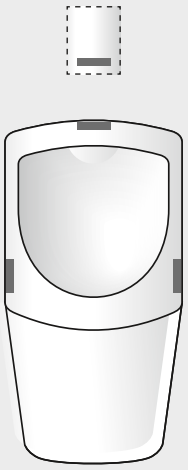
Maintenance/Diagnostic program (automatic)
- Ready for operation
- Function test solenoid valve
- Function test sensor
- Battery voltage

Flush program
- 2-l flush (works setting)
- 1-l economy program
- Hybrid program (3-l flush 15 min. after first use)

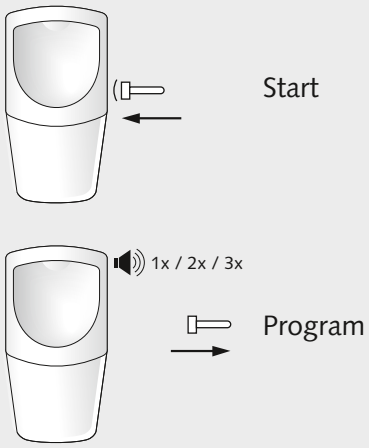
Urinal control COMPACT LC

LC programming via reed contact (accessories)

Options of positions for the reed contact



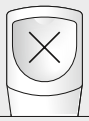
Function



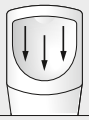
Note:
For programming, the magnetic key must be moved towards the reed contact

LC control

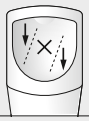
1x =
Cleaning stop3 minutes



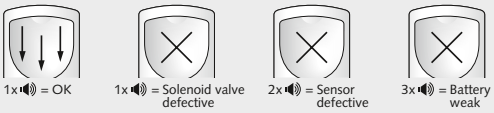
2x =
Cleaning stop10 seconds



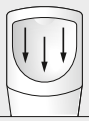
3x =
Interval flush 5 x (flush plus 2 min. exposure time for each flush)



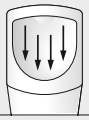
4x =
Function test (automatic)



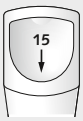
5x =
1-litre flush + stadium program



6x =
2-litre flush + stadium program



7x =
Hybrid program 15 minutes after first use



COMPACT LC

Urinal control COMPACT LC

Features

- Siphon sensor flow and temperature detection in the siphon water
- Universal siphon flush control for all ceramic and stainless steel bowls
- Sensor mounted in the system siphon
- Corrosion-proof sensor for accurate detection of user
- External control via the reed contact (accessories)
  3 Flush programs – 3 Servicing programs – Diagnostic program (function check)
- Odour trap monitoring, also at a low water level
- Automatic flush stop if drain pipe blocked
- E-Module and battery compartment/mains adapter for mounting in SCHELL concealed urinal flush system COMPACT II/urinal mounting module COMPACT II LC
- Acoustic signal when battery charge is low

System Technical Data **urinal control COMPACT LC with concealed urinal flush fitting COMPACT II**	
Flush time	Cleaning stop 10 s, flush stop and Interval flushing
Stagnation flush	Every 24 Hrs. after the last flush
Material	Water path made from brass DIN EN
Flush volume	2 l (factory setting), 1 l and hybrid 3 l adjustable

Scope of delivery

- E-Module
- Urinal siphon with LC sensor
- Cartridge solenoid valve with adapter for roughing-in water path
- Plug + Play plug connector IP 54

Design	Item No.
SCHELL urinal control COMPACT LC Function: Mains mode (mains adapter 230 V 50 Hz included in scope of delivery)	**01 197 00 99**
SCHELL urinal control COMPACT LC Function: Battery mode (battery compartment with 4 x 1.5 V batteries included in scope of delivery)	**01 196 00 99**

Accessories	
Concealed urinal flush fitting COMPACT II	**01 193 00 99**
Urinal mounting module COMPACT II	**03 282 00 99**
Urinal mounting module COMPACT II LC	**03 283 00 99**
Urinal inflow set DN 15	**03 112 00 99**
Urinal inflow set DN 15	**03 105 00 99**
Reed contact with magnetic key	**01 529 00 99**

Urinal mounting module COMPACT II LC

Features
- Mounting module for free-standing or wall-mounting installation
- Self-supporting sectional steel frame structure with height adjustable structure-borne noise insulated feet
- Powder-coated surface
- Actuation is by SCHELL finishing sets
- Flush system conforms to DIN EN 12541

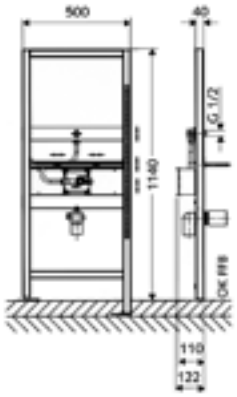
Technical Data concealed urinal flush fitting COMPACT II	
Flow	0.3 l/s
Flow pressure	0.8 - 5 bar
Noise class	II
Dimension	DN 15 G 1/2 AG
Material	Water path made from brass DIN EN

Scope of delivery
- Urinal roughing-in kit COMPACT II with protective cover, water path with isolating valve and flush plug
- Attachment material for mounting feet and post-and-beam structure
- Height adjustment of mounting feet 0 - 200 mm
- Noise insulated urinal connection G 1/2 IG made from dezincing resistant brass, flushing hose connection G 1/2 AG
- Urinal attachment M 8 x 110 mm, with protective hose, nut and cover caps
- Drain elbow Ø 50 mm, with construction plug

Item No.	
Urinal mounting module COMPACT II LC	**03 283 00 99**
Concealed urinal flush fitting COMPACT II	**01 193 00 99**
Urinal mounting module COMPACT II	**03 282 00 99**
Urinal controls COMPACT LC	**01 196 00 99**
	01 197 00 99
Urinal inflow set DN 15	**03 112 00 99**

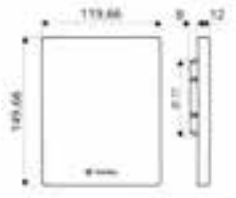
Accessories for wall-mounting	
Wall mounting set	**03 258 00 99**

Mounting module COMPACT II LC



Recommended accessories
For in-line mounting
- Attachment rail
  Item No. 03 270 00 99
- Quick lock
  Item No. 03 265 00 99
- Spring T-nut
  Item No. 03 043 00 99
- Universal attachment screws
  Item No. 03 268 00 99
- Wall stand, height 1140 mm
  Item No. 03 269 00 99

Concealed urinal flush systems
Accessories



SCHELL urinal front cover EDITION HF/LC

Front cover for urinal roughing-in kit COMPACT II, if access to the water path and electronics is required. Located above the urinal or remote.
Scope of delivery:
Front cover incl. mounting frame
Material: Stainless steel

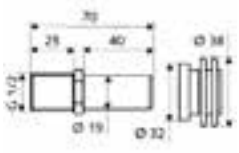
Item No. 23 080 28 99

SCHELL sensor cable COMPACT LC

Extension cable 2.5 m
Extension cable for urinal control COMPACT LC mounted totally remote

Cable length 2.5 m

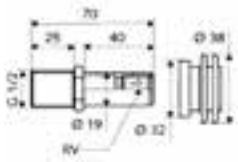
Item No. 01 524 00 99



Urinal inlet connection DN 15

For urinals supplied from the rear
Scope of delivery:
Inflow nozzle G 1/2 AG x 40 mm shaft
Connector Ø 32 - 38 mm
Material: Brass
Dimension: DN 15 G 1/2 AG,

Item No. 03 105 00 99



Urinal inlet connection DN 15

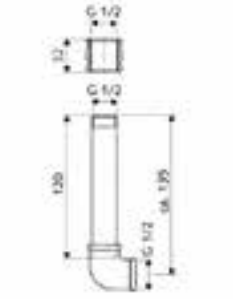
With backflow preventer (BP)
Scope of delivery:
Inflow nozzle G 1/2 AG x 40 mm shaft
Connector Ø 32 - 38 mm
Accessories for urinals with raised fitting (> 1 m). Prevents backflow of flush water. Supplied from the rear
Material: Inflow nozzle made from brass, BP made from plastic
Dimensions: DN 15 G 1/2 AG,

Item No. 03 112 00 99

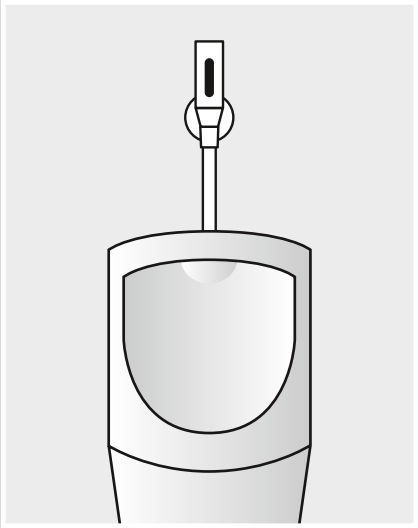
Connection set DN 15

Connection line between the concealed urinal flush system COMPACT II and urinal inflow set
Scope of delivery:
Connection pipe 120 mm with elbow 90° G 1/2 IG sealed, sleeve G 1/2 IG enclosed separately
Material:Brass
Dimensions: DN 15 G 1/2 AG

Item No. 03 208 00 99



Wall-mounted solutions for urinal flush systems.
By SCHELL.

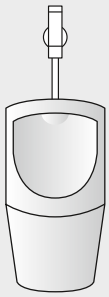
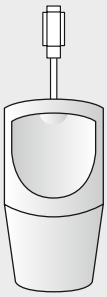
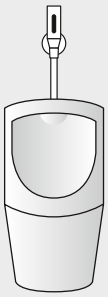


Quickly installed
Wall-mounted urinal flush systems are realized quickly inexpensive. Convincing advantages, especially in many public, semi-public or commercial sanitary rooms. Also here, SCHELL provides suitable solutions that distinguish themselves through high functionality, durability and a timeless, elegant design.

Reliable technology
Technical core of all manual wall-mounted urinal flush fittings by SCHELL is the integrated self-closing cartridge SC. Robust, corrosion-resistant, high-quality POM plastic ensures reliable operation over many years.

Hygiene
The contact-free infrared urinal flush fittings provide the highest hygiene standard for the user.

Simple installation
To save time during mounting, SCHELL offers a mounting module suitable for its wall-mounted urinal flush systems. Thus, the sanitary rooms can be quickly and cost-effective fitted or renovated, in particular for in-line mounting.

	URINAL FLUSH SYSTEMS: *Wall-mounted solutions*		
Your wish	An inexpensive standard solution, which does not require an external energy source.	A solution that unites efficiency and design and does not require an external energy source.	A contact-free solution that fulfils the highest of hygiene requirements.
The solution by SCHELL	· SCHELLOMAT BASIC	· SCHELLOMAT EDITION	· SCHELLTRONIC
Principle			
Function	Manual actuation	Manual actuation	Actuated by exiting the sensor range
Technology	*Pushbutton*	*Pushbutton*	*Infrared sensor*
Special features	· With or without isolating valve · No external power source required	· Sophisticated design · With isolating valve · No external power source required	· For new builds and refurbishment projects · With isolating valve · 9 V alkaline battery · WELL classified (6 star)
Control unit	SC cartridge	SC cartridge	Cartridge solenoid valve
Mounting module	Yes	Yes	Yes

Wall-mounted urinal flush fittings SCHELLOMAT

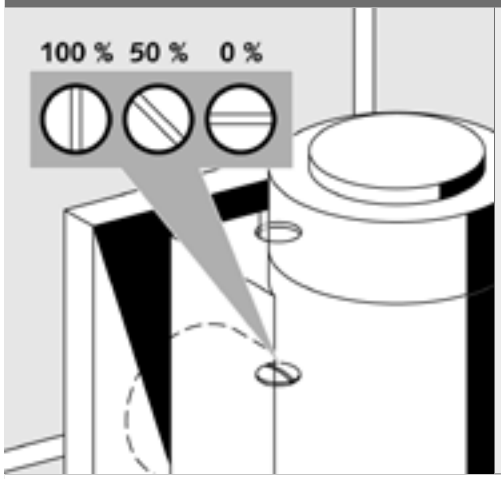
Highlights:
- Hygiene with comfort
- Low noise development
- Reliable cartridge technology for high operating reliability
- Conforms to the specifications of DIN EN 12541
- Easily adjustable flush volume, from 1 - 6 l
- Also available in the Benelux design

Robust and inexpensive

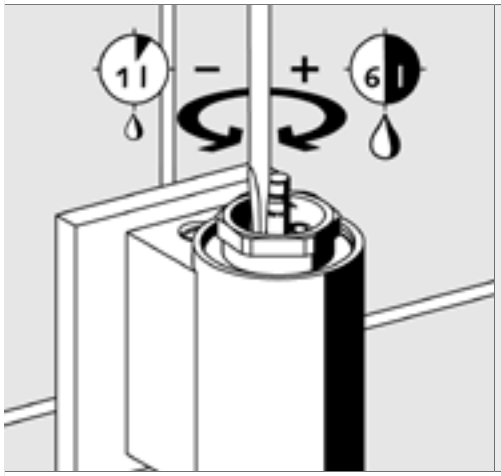
Solidly constructed and made from robust metal, the self-closing, wall-mounted urinal flush systems are recommended for use where there is a high frequency of daily use, for example in schools, stadia or event halls. They are easy to install and are also very easy to service.

Notable is the design of the model SCHELLOMAT EDITION, which was created by the renowned design office sieger design. It captivates through its functional elegance and was distinguished by the reddot design award.

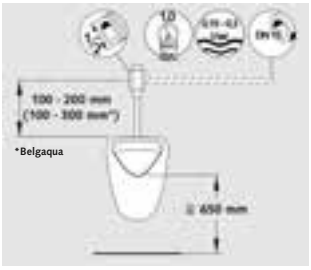
Technical Details



Adjusting the flush rate
For the flush systems with an isolating valve, the flush flow can be adjusted corresponding to the structural requirements.



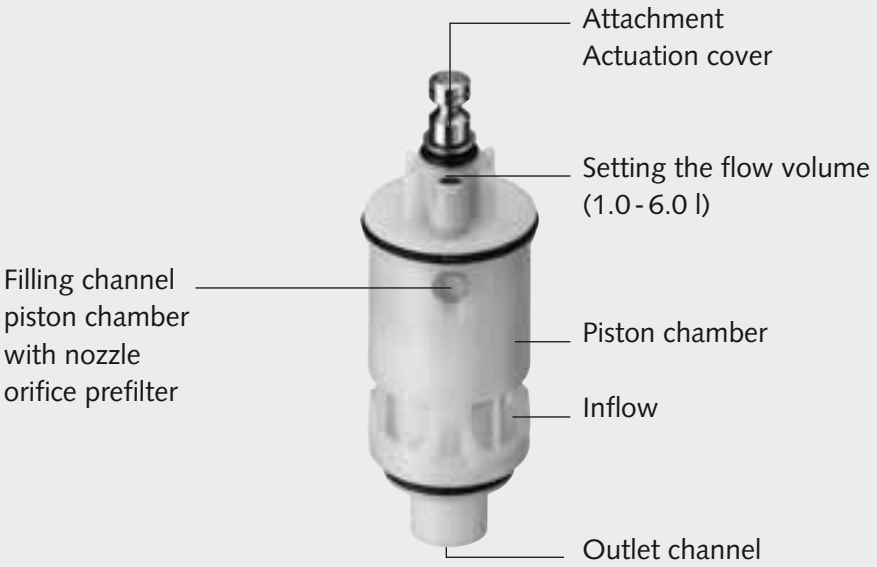
Adjust flush volume
After removing the actuation cover, the flush volume can be easily adjusted using a screwdriver.



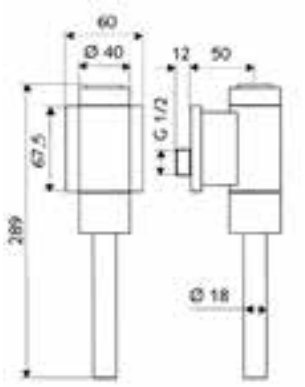
Technical information
Urinal flush system in accordance with DIN EN 12541, DN 15 class 1.5 and class 4 for urinal bowls in accordance with DIN 1390
DIN-DVGW BP0378 line dimensioning in accordance with DIN EN 806-3 and the complimentary national standard DIN 1988-300

Innovative cartridge technology

SCHELLOMAT flush fittings are convincing with reliable cartridge technology and provide high operating reliability. The significant components comprise of corrosion resistant plastic or are galvanized to protect against corrosion.



SCHELLOMAT EDITION



DESIGN PLUS

reddot design award winner 2004

Design urinal flush system SCHELLOMAT EDITION

Features

- Low-noise operation
- Wall connection cover
- All components polished brass with pushbutton, incl. integrated shut-off valve for servicing
- High operating reliability due to plastic cartridge and integrated nozzle orifice prefilter
- Flush system conforms to DIN EN 12541
- sieger design

Technical Data	
Flush rate	max. 0.3 l/s
Flow pressure	0.8 - 5.0 bar
Main flush volume	1 - 6 l (adjustable)
Noise class	I
Test mark	PA-IX 9891/I, DIN-DVGW certified
Dimension	DN 15 G 1/2 AG
Material	All visible components brass chromed, functional parts of cartridge plastic

Scope of delivery

- Flush pipe Ø 18 x 200 mm
- Flush pipe inner connector
- Push-on rosette
- Shut-off valve for servicing

Item No.	**02 474 06 99**

Accessories

- **Urinal mounting module 03 272 00 99**

SCHELL

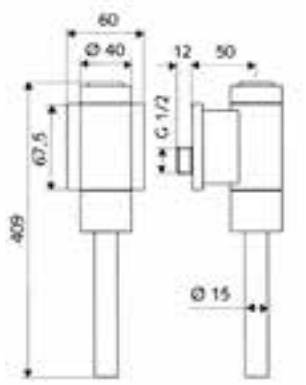
Design urinal flush system SCHELLOMAT EDITION Model Benelux

Features

- Low-noise operation
- Wall connection cover
- All components polished brass with pushbutton, incl. integrated shut-off valve for servicing
- High operating reliability due to plastic cartridge and integrated nozzle orifice prefilter
- Flush system conforms to DIN EN 12541
- sieger design

SCHELLOMAT EDITION

Technical Data	
Flush rate	max. 0.3 l/s
Flow pressure	0.8 - 5.0 bar
Main flush volume	1 - 6 l (adjustable)
Noise class	I
Test mark	PA-IX 9891/I, DIN-DVGW certified, Belgaqua
Dimension	DN 15 G 1/2 AG
Material	All visible components brass chromed, functional parts of cartridge plastic



Scope of delivery

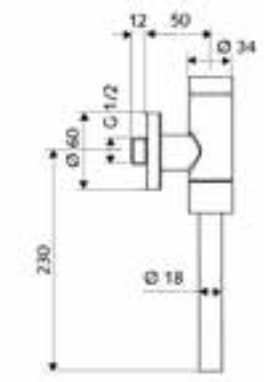
- Flush pipe Ø 15 x 300 mm with pipe interrupter
- Push-on rosette
- Flush pipe inner connector
- Shut-off valve for servicing

Item No.	**02 475 06 99**

Accessories

- **Urinal mounting module 03 272 00 99**

SCHELLOMAT BASIC



Urinal flush system SCHELLOMAT BASIC, DN 15

Features

- Robust all-metal flush system with brass pushbutton
- High operating reliability due to plastic cartridge and integrated nozzle orifice prefilter
- Flush system conforms to DIN EN 12541

Technical specifications	
Flush rate	max. 0.3 l/s
Flow pressure	0.8 - 5.0 bar
Main flush volume	1 - 6 l (adjustable)
Economy button	–
Noise class	II
Test mark	PA-IX 9892/II, DIN-DVGW certified
Dimension	DN 15 G 1/2 AG
Material	All visible components brass chromed, functional parts of cartridge plastic

Scope of delivery

- Flush pipe Ø 18 x 200 mm
- Push-on rosette
- Flush pipe inner connector

Design	Item No.
Without shut-off valve for servicing	**02 476 06 99**
SCHELLOMAT BASIC SV with integrated shut-off valve for servicing	**02 477 06 99**

Accessories

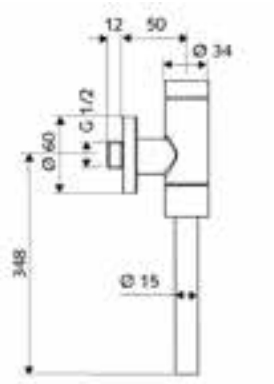
- **Urinal mounting module 03 272 00 99**

Urinal flush system SCHELLOMAT BASIC, DN 15 Model Benelux

Features

- Robust all-metal flush system with brass pushbutton
- High operating reliability due to plastic cartridge and integrated nozzle orifice prefilter
- Flush system conforms to DIN EN 12541

SCHELLOMAT BASIC



Technical Data	
Flush rate	max. 0.3 l/s
Flow pressure	0.8 - 5.0 bar
Main flush volume	1 - 6 l (adjustable)
Economy button	Yes
Noise class	II
Test mark	PA-IX 9892/II, DIN-DVGW certified, Belgaqua
Dimension	DN 15 G 1/2 AG
Material	All visible components brass chromed, functional parts of cartridge plastic

Scope of delivery

- Flush pipe Ø 15 x 300 mm with pipe interrupter
- Push-on rosette
- Flush pipe inner connector

Design	Item No.
Without shut-off valve for servicing	**02 483 06 99**
SCHELLOMAT BASIC SV with shut-off valve for servicing	**02 484 06 99**
SCHELLOMAT BASIC with flush pipe outer connector, without shut-off valve for servicing	**02 478 06 99**
SCHELLOMAT BASIC with flush pipe outer connector, with shut-off valve for servicing	**02 479 06 99**

Accessories

- **Urinal mounting module 03 272 00 99**

Wall-mounted urinal flush fitting SCHELLTRONIC

Highlights:
- Robust all-metal design
- Easy to replace battery
- Quick mounting
- Long operating life with 9 V alkaline battery
- Easy to service
- Installation dimensions same as manual fitting
- Option for subsequent replacement of self-closing fittings by SCHELLTRONIC

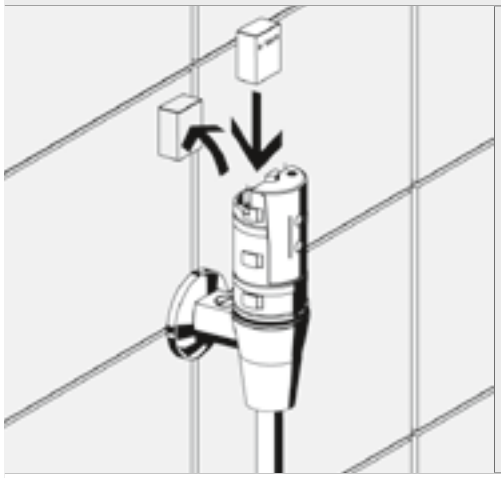
Hygienic and robust

The SCHELLTRONIC wall-mounted urinal flush system is the comfortable solution for all locations where contact-free and, thus, hygienic operation is required, however, where concealment is not possible or required. **Due to identical installation dimensions as the conventional flush systems, the SCHELLTRONIC is particularly suitable for renovation or modernization.** Its robust all-metal design also makes it less susceptible to vandalism.

Technical Details

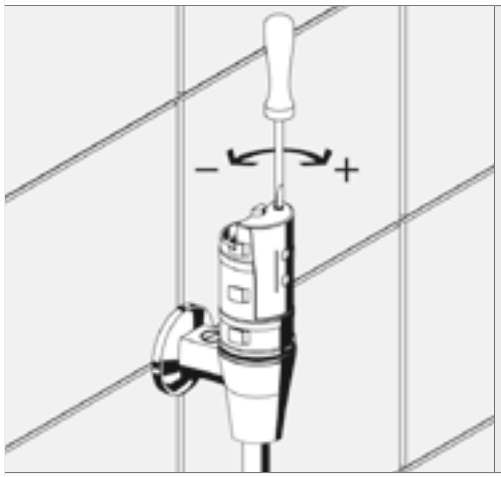
Replacing the battery

The special valve technology of the SCHELLTRONIC enables a conventional 9 V block battery to be used for approx. 100.000 flushes.



Low energy consumption

By releasing the Allen screw, the complete metal cover can be removed. The battery can be installed in the battery compartment with arbitrary polarity. Low battery status is indicated by the flashing red LED.

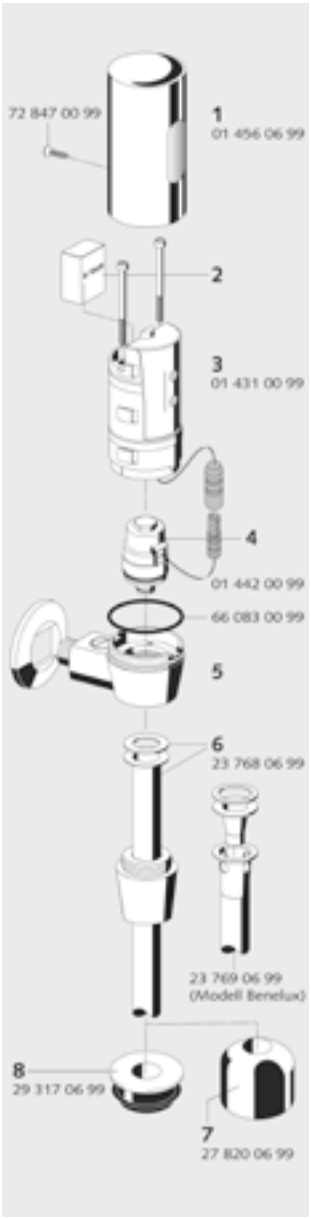


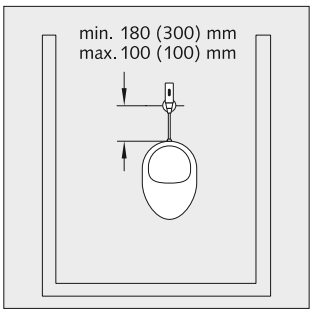
Setting the flush time

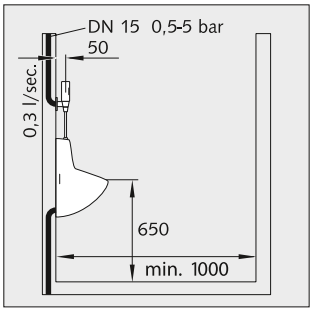
Once the cover is removed, the flush time can be variably set via a rotary potentiometer. For particularly difficult installation situations, the range of the sensor can also be set.

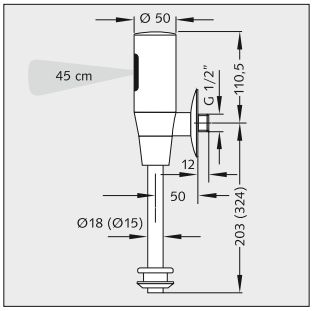
Construction

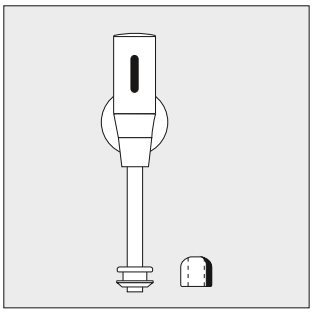
1 Fitting cover
2 9 V alkaline battery
3 Electronic module, complete
4 Cartridge solenoid valve
5 SCHELLTRONIC casing for fittings
6 Flush pipe kit
7 Outer connector
8 Inner connector







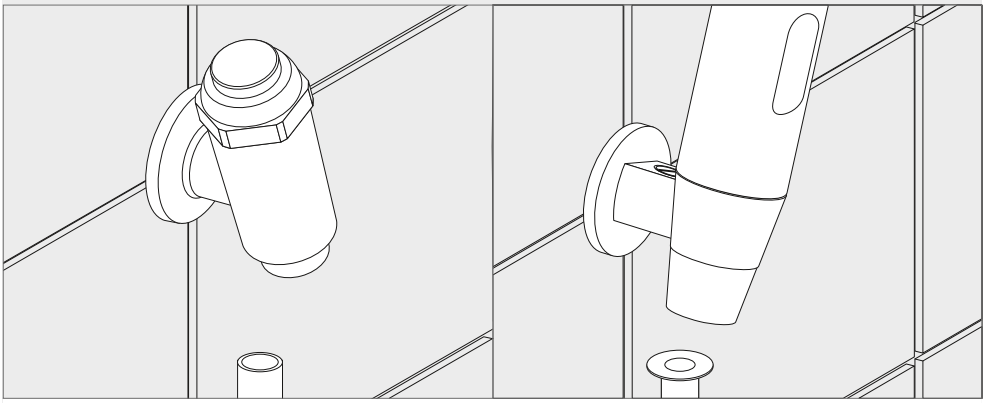




Technical Details

Easy replacement

The connection dimensions of the SCHELLTRONIC conform to the DIN 3265 and, thus, permit the subsequent replacement of mechanical flush systems. Conversion is carried out with only a brief interruption in operation, with no electrical tasks.



Function

The minimum dwell time is approx. 10 s. After 24 hours without use, a hygiene flush is automatically actuated, with the flush time set.

Minimum time spent
10 s

Main flush
2 - 15 s

Hygienic flush
every 24 h

Flush time in seconds

	1.0 bar	2.0 bar	3.0 bar	4.0 bar	5.0 bar
2.0 l	6.5 s	5.5 s	4.5 s	4.0 s	3.5 s
2.5 l	8.0 s	7.0 s	5.5 s	4.5 s	4.0 s
3.0 l	10.0 s	8.0 s	7.0 s	5.5 s	5.0 s
3.5 l	–	9.5 s	8.0 s	6.5 s	5.5 s
4.0 l	–	10.0 s	9.0 s	7.5 s	6.5 s

SCHELL

SCHELL urinal mounting module

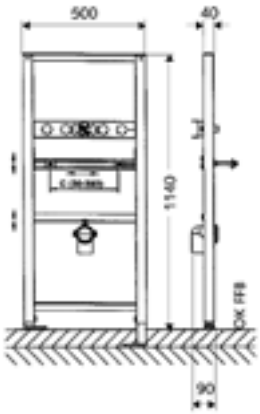
Features

- For wall-mounted urinal flush systems
- Mounting module for free-standing or wall-mounted installation, self-supporting sectional steel frame with height-adjustable, structure-borne noise insulated feet
- Powder-coated surface
- Prepared for the connection of G 1/2 AG wall-mounted urinal flush systems

Scope of delivery

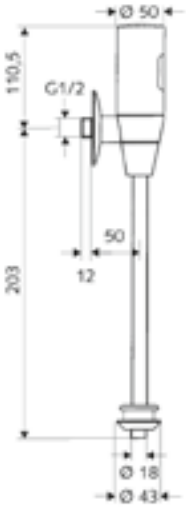
- Attachment material for mounting feet and post-and-beam structures
- Height adjustment of mounting feet 0 - 200 mm
- Noise insulated fittings connections T 1/2 FT made from dezincing resistant brass, height adjustable
- Urinal attachment M 8 x 110 mm, with protective hose, nut and cover caps
- Drain elbow Ø 50 mm, with construction plug

Urinal mounting module

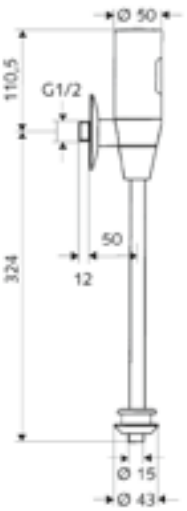


Item No.	03 272 00 99
Accessories required for wall-mounting	
Wall mounting set	03 258 00 99
Recommended accessories for in-line mounting	
Attachment rail	03 270 00 99
Quick lock	03 265 00 99
Spring T-nut	03 043 00 99
Universal attachment screws	03 268 00 99
Wall stand, height 1140 mm	03 269 00 99

SCHELLTRONIC



SCHELLTRONIC Benelux



Infrared urinal flush system SCHELLTRONIC/SCHELLTRONIC Model Benelux

Features
- Concealed urinal flush system for battery mode with isolating valve
- Concealed urinal flush system for battery mode with isolating valve and pipe interrupter

Technical specifications		Model Benelux
Flush rate	0.3 l/s in accordance with DIN EN 12541	0.3 l/s in accordance with DIN EN 12541
Flow pressure	0.5 - 5 bar	0.5 - 5 bar
Flush time	2 - 15 s (adjustable)	2 - 15 s adjustable
Stagnation flush	every 24 Hrs. after the last flush	every 24 Hrs. after the last flush
Flush pipe	Ø 18 mm	Ø 15 mm
Noise class	II (DIN 4109)	II (DIN 4109)
Test mark	PA-IX 8952/II	Belgaqua
Dimension	DN 15 G 1/2 AG	DN 15 G 1/2 AG
Material	Casing, all-brass	Casing, all-brass

Scope of delivery	
• 6 V cartridge solenoid valve in cartridge technology with integrated prefilter • Inner connector • Flush pipe Ø 18 x 200 mm • 9 V alkaline battery	• Flush pipe Ø 15 x 300 mm

Item No.	01 113 06 99	01 115 06 99

Accessories	
• **Flush pipe Ø 18 x 300 mm**	**Item No. 50 722 06 99**
• **Flush pipe Ø 15 x 500 mm**	**Item No. 50 744 06 99**
• **External connector**	**Item No. 27 820 06 99**
• **Urinal mounting module**	**Item No. 03 272 00 99**

Wall-mounted urinal flush systems
Accessories

Flush pipe Ø 18 mm

For Item No. 02 400 06 99 - 02 403 06 99
02 422 06 99 - 02 423 06 99
02 474 06 99
02 476 06 99
02 477 06 99
01 113 06 99

Material: Copper

Design	Item No.
300 mm	50 722 06 99
300 mm, offset (distance 25 mm)	50 223 06 99

Flush pipe Ø 15 mm Benelux

For Item No. 02 407 06 99 02 412 06 99 02 416 06 99
02 417 06 99 02 421 06 99 02 475 06 99
02 478 06 99 02 479 06 99 02 483 06 99
02 484 06 99 01 114 06 99 01 115 06 99

Material: Copper

Design	Item No.
300 mm	50 745 06 99
500 mm	50 744 06 99

Spray head for SCHELL urinal flush fitting

Suitable for flush pipe Ø 16 x 300 mm and Ø 15 x 300 mm

Material: Brass

In conjunction with:
Infrared urinal flush system SCHELLTRONIC
Item No. 01 115 06 99 or
Design urinal flush system Item No. 02 475 06 99 or
urinal flush system Item No. 02 483 06 99 or
urinal flush system Item No. 02 484 06 99 or
urinal flush system Item No. 02 478 06 99 or
urinal flush system Item No. 02 479 06 99

chrome, Item No. 28 800 06 99

External connector

chrome

Item No. 27 820 06 99

Overview of supplementary components by SCHELL for planning public toilets

Supplementary mounting modules

BIDET mounting module
Page 98

Bearing loads mounting module
Page 99

Accessories

Mounting feet, wet construction
Page 100

Corner mounting kit
Page 100

Noise protection mat
Page 100

Accessories for rail mounting

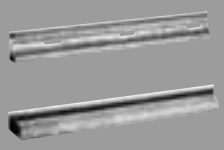
Universal attachment screw
Page 101

Wall mounting set
Page 101

Quick lock
Page 101

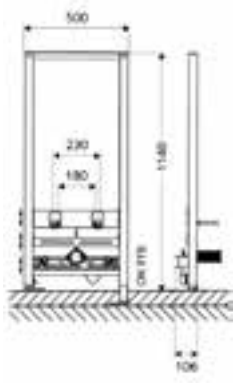
Wall stand
Page 101

Spring T-nut
Page 101



Attachment rail
Page 101

Mounting module BIDET



Mounting module BIDET

Features

Mounting module for free-standing or wall-mounted installation; self-supporting sectional steel frame with height-adjustable, structure-borne noise insulated feet; powder-coated surface.

Model	
Mounting module BIDET	**Item No. 03 244 00 99**
Field of application	For wall-mounted bidets

Scope of delivery

- Drain elbow Ø 50 mm, soundproof, height adjustable with the construction plug
- Bidet attachment bolts M 12 x 150 mm, with nuts, nylon collar bushes and protective hose

Accessories	
• For wall-mounting, wall-mounting set	**Item No. 03 258 00 99**

Bearing loads mounting module

Features

Mounting module for free-standing or wall-mounted installation; self-supporting sectional steel frame with height-adjustable, structure-borne noise insulated feet; powder-coated surface; for mounting of support and support flap handles, shower seats, shower and bath grip handles, urinal screens, accessories etc.

Model	
Bearing loads mounting module	**Item No. 03 253 00 99**
Field of application	For wall-mounted sanitary items

Scope of delivery

- Attachment material for mounting feet and post-and-beam structures
- Variable height adjustment and waterproof bonded Multiplex attachment plate, installation width 500/390 mm adjustable

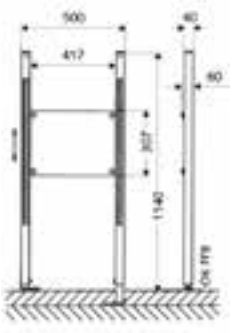
Accessories

- For wall-mounting installation, wall mounting set, Item No. 03 258 00 99

Mounting note

Option to combine with cistern mounting module barrier-free (installation width 420 mm)

Bearing loads mounting module



Accessories

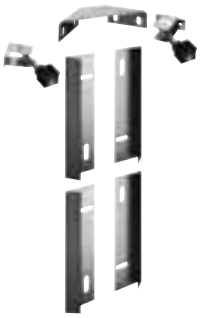
WC mounting feet wet construction

Accessories for mounting the SCHELL WC wet construction module. No self-supporting function, module must be underpinned!

Scope of delivery
- 2 off mounting feet
- Attachment material

Accessories
Cistern mounting module, wet construction, Item No. 03 252 00 99

Item No. 03 259 00 99



Angle installation set

Accessories for corner mounting of all SCHELL mounting modules

Scope of delivery
- Angle cladding support
- Cladding support, side
- Wall bracket 45°

Technical specifications
Shank length 540 mm
Front 760 mm
Depth 380 mm

Item No. 03 254 00 99

Sound-insulation mat

Sound-insulation mat for wall-mounted WC and bidet body; soundproofing in accordance with DIN 4109

Scope of delivery
- Sound-insulation mat
- 2 Noise insulated sleeves

Technical specifications
For compensation backfill between ceramic bodies and tiled wall, UV-resistant

Item No. 03 001 00 99

Accessories for rail mounting

Wall stand, height 1140 mm

Can be used as a corner part or intermediate post.
Adjustable wall bracket and foot preassembled
Accessories
Attachment rail, Item No. 03 270 00 99
Quick lock, Item No. 03 265 00 99

Item No. 03 269 00 99

Universal attachment screws

SCHELL attachment screws
To attach the SCHELL attachment rail
Scope of delivery
- Special screws
- Dowels

Item No. 03 268 00 99

Wall mounting set

Accessories for attaching a mounting module on the front of a solid wall
Suitable for all SCHELL mounting modules
- Variable depth adjustment from the front, by Allen screws
- Adjustment range installation depth 140 - 200 mm
- Attachment material for wall attachment

Item No. 03 258 06 99

Quick lock

For SCHELL rail system
- Accessories for mounting the SCHELL mounting module or a wall stand
- Fasteners also suitable for mounting subsequently

Item No. 03 265 00 99

Spring T-nut

For SCHELL rail system

Item No. 03 043 00 99

Attachment rail

For mounting on the ground or on the wall

Item No. 03 270 00 99

www.schell.eu

The address with which professional plans can be made. Have we sparked your interest? On our homepage, you will find much more information about our products, specifications and installation techniques. Why not just click your way through the site!

www.schell.eu

At www.schell.eu, you will find all important details about our sanitary draw-off taps.

www.ausschreiben.de

Online, practice-relevant and always up-to-date: Specifications by SCHELL.

Installation instructions

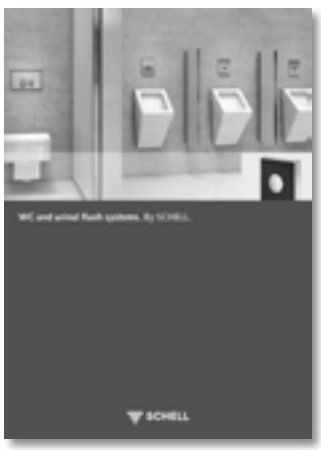
Available for each individual product: The mounting instructions as a download by SCHELL.

The perfect supplement: important brochures about WC urinal flush systems and more, by SCHELL – also available as a download.

The Company. The Products.

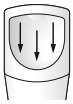
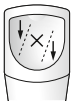
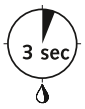
SCHELL complete catalogue

WELL Water Efficiency Labelling



WC and Urinal Flush systems

Wall-mounted systems.

	Pressure range from 1 to 5 bar
	Flush flow 1.4 l/s
	Hygiene flush every 24 hours after the last flush
	The fitting flushes
	Interval flush Start_Stop_Start.....
	No flushing carried out
	Flow time 3 seconds to Flow time 15 seconds, selectable
	Allen key, size 2.5 mm
	Open-ended spanner, size 13 mm
	Power supply: battery or mains power

Maintenance instructions:
Only use mild, soapy cleaning agents for cleaning. Do not use any cleaning agents or disinfectants that are abrasive, scouring or contain alcohol, ammonia, hydrochloric acid, phosphoric acid or acetic acid. Do not clean using high-pressure or steam-jet appliances! The SCHELL »General installation conditions« at www.schell.eu apply.

Figures, dimension and weights as well as descriptions are non-binding and are subject to technical advances.

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SCHELL